

20020322.qrp v02_n502.qrl.20020322

Date: Fri, 22 Mar 2002 19:03:13 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2502

QRP-L Digest 2502

Topics covered in this issue include:

- 1) [122855] Ref. MOSFET IRF530 or 730 to key Tube Transmitter
by George Franklin <w0av@juno.com>
- 2) [122856] Re: paddles?
by "blinn" <blinn@smgazette.com>
- 3) [122857] Tubes
by "Karl F. Larsen" <k5di@zianet.com>
- 4) [122858] Whitman's Sampler Tins
by Donn Kuse <casey.jay@gte.net>
- 5) [122859] crystal grinding from ARRL
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 6) [122860] Re: QRPP late! Doug's posting.
by Bruce Muscolino <w6toy@erols.com>
- 7) [122861] Re: Surf CPO
by "blinn" <blinn@smgazette.com>
- 8) [122862] Re: Tubes
by Fred Lesnick <flesnick@tbaytel.net>
- 9) [122863] Re: paddles?
by Don <dwittlic@APCI.net>
- 10) [122864] Re: Dual Gate FET's
by Chris Trask <ctrask@primenet.com>
- 11) [122865] Re: 78L05 Knowledge
by Patrick Gardella <pgardella@yahoo.com>
- 12) [122866] Re: How To Use Those "Out-of-Band" FT-243 rocks
by "Gordon Cougar" <gcouger@provalue.net>
- 13) [122867] Re: Crystals
by "Gordon Cougar" <gcouger@provalue.net>
- 14) [122868] Re: 78L05 Knowledge
by "John J. McDonough" <wb8rcr@arrl.net>
- 15) [122869] Re: Norcal BLT?
by geoff allsup <gallsup@whoi.edu>
- 16) [122870] Re: crystal grinding from ARRL
by geoff allsup <gallsup@whoi.edu>
- 17) [122871] Re: Building a tube QRP xmitter
by Harry Hurst <wa3ptg@comcast.net>
- 18) [122872] Re: QRPP late! Doug's posting.
by K5BDZ@aol.com
- 19) [122873] Re: Antenna Wire

by "James R. Duffey" <jamesd1@flash.net>

20) [122874] Problems after Sierra mods
by Larry and Andrea Gagnon <lagagnon@sprint.ca>

21) [122875] Miracle Whip
by "James R. Duffey" <jamesd1@flash.net>

22) [122876] Trade for QRP Update
by "Ronald Davis" <RDavis24@carolina.rr.com>

23) [122877] Trade TR7 for QRP Update
by "Ronald Davis" <RDavis24@carolina.rr.com>

24) [122878] RE:paddles?
by "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>

25) [122879] Re: crystal grinding from ARRL-how to monitor frequency in grinding process
by "Stuart Rohre" <rohre@arlut.utexas.edu>

26) [122880] For Trade - Heath HW-9
by Radioham <radioham@comcast.net>

27) [122881] RE: Meguro 35 Mhz Oscilloscope
by "Matt Lee, WB6BWZ" <Matt@Tenn-Valley.com>

28) [122882] Re: linear supply type power transformer question
by "John A. Evans - N0HJ" <jaevans@codenet.net>

29) [122883] Re: Trade TR7 for QRP Update
by "ZOOM" <kandrparker@sympatico.ca>

30) [122884] Re: 78L05 Knowledge
by David Hinerman <wd8civ@worldnet.att.net>

31) [122885] Re: Problems after Sierra mods
by Steven Weber <kd1jv@moose.ncia.net>

32) [122886] Re: 78L05 Knowledge
by Steven Weber <kd1jv@moose.ncia.net>

33) [122887] OOPS--SST-20 correction
by "Doc Lindsey" <lindsey425@cs.com>

34) [122888] FOX -- AG0T CFNO Final Log...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>

35) [122889] F3VT - 7034.8 @ 0549Z
by David Gauding <david.gauding@bbs.galilei.com>

36) [122890] OHR Elplorer 40 meter
by Wayne Williams <aa5jj@yahoo.com>

37) [122891] Re: Problems after Sierra mods
by Roy <marion@montana.com>

38) [122892] ZA1ARD QSL Route
by lenny wintfeld <w2bvh@comcast.net>

39) [122893] RE: Backpack Antenna Launching
by W2SH@aol.com

40) [122894] Who'd Believe it??? -- XR0X on 30m!!!!
by "Adrian Weiss" <aweiss@usd.edu>

41) [122895] //Last Word // on the Bare-Essentials Ham Transmitter for Under \$10
- Electronics Illustrated March 1968
by w4clm.ham@juno.com

42) [122896] Re: Problems after Sierra mods

by "Adrian Weiss" <aweiss@usd.edu>

43) [122897] Re: QRP-L digest 2501 - I SURE DO LIKE THIS GROUP BUT GOOD LORD -
138 MESSAGES
by w4clm.ham@juno.com

44) [122898] Re: Problems after Sierra mods
by Mighty Mik <mightymik2@attbi.com>

45) [122899] Re: 78L05 Knowledge
by "Trevor Jacobs" <fxtech@earthlink.net>

46) [122900] To KG4OQU DE W4CLM -----Paddles Vs. Straigh Key -----
by w4clm.ham@juno.com

47) [122901] 3SK40 / 3N211
by w4clm.ham@juno.com

48) [122902] Re: International Crystal Manufacturing (ICM)
by KKANALZ@prodigy.net

49) [122903] crystal grinding from W8TIF (looonnnnng)
by KKANALZ@prodigy.net

50) [122904] Re: 78L05 Knowledge
by "Mike Yetsko" <myetsko@insydesw.com>

51) [122905] QRPp Gets my vote
by John R Kirby <n3aaz-qrp@juno.com>

52) [122906] Re: Learning CW, Koch, Farnsworth, Etc.
by "Karl F. Larsen" <k5di@zianet.com>

53) [122907] RE: Problems after Sierra mods
by Nick Kennedy <nkennedy@tcainternet.com>

54) [122908] very good portable antenna comparison
by John Mckee <JMckee@rfmd.com>

55) [122909] recommendation neded for bedside station
by Gary Lee <kb9zuv@arrl.net>

56) [122910] Nonsense
by hamjoel@juno.com

57) [122911] Re: recommendation neded for bedside station
by baltimoremd@baltimoremd.com

58) [122912] Re: QRPp Gets my vote
by Bruce Muscolino <w6toy@erols.com>

59) [122913] Re: very good portable antenna comparison
by Ken Hopper <khopper@uchicago.edu>

60) [122914] Re: QRPp Gets my vote
by Bruce Rattray <rattray@gpfn.sk.ca>

61) [122915] HF Pack Web and Group [was -- very good portable antenna
comparison]
by Chuck Carpenter <w5usj@9plus.net>

62) [122916] Manuals available for sale
by "" <k5mgj@excite.com>

63) [122917] Re: Paid Editors
by KKANALZ@prodigy.net

64) [122918] KF2EW E-mail
by "Ron Polityka" <wb3aal@fast.net>

65) [122919] Re: Problems after Sierra mods

by Ed Lawson <k1vp@grizzly.com>

66) [122920] Re: Paid Editors
by "KD3PC" <kd3pc@mindspring.com>

67) [122921] RE: Paid Editors
by "Lee, Jimmy" <Jimmy.Lee@bartow.k12.ga.us>

68) [122922] FS Ten Tec 509 Argonaut
by Mercxx@aol.com

69) [122923] Re: Paid Editors
by W2AGN <w2agn@pobox.com>

70) [122924] Re: Paid Editors -- All Said And Done..
by KKANALZ@prodigy.net

71) [122925] Re: //Last Word // on the Bare-Essentials Ham Transmitter for Under \$10
- Electronics Illustrated March 1968
by "George, W5YR" <w5yr@att.net>

72) [122926] Re: recommendation neded for bedside station
by "George, W5YR" <w5yr@att.net>

73) [122927] Re: Paid Editors
by Bruce Muscolino <w6toy@erols.com>

74) [122928] Registering for FDIM is easy
by PDouglas12@aol.com

75) [122929] Re: Paid Editors -- All Said And Done..
by Darrel Swenson <k0awb@tconl.com>

76) [122930] Re: Paid Editors
by Bruce Muscolino <w6toy@erols.com>

77) [122931] Re: Paid Editors
by Bruce Muscolino <w6toy@erols.com>

78) [122932] Re: Paid Editors -- All Said And Done..
by Bruce Muscolino <w6toy@erols.com>

79) [122933] FOX: FINAL CFNO LOG - N0IT
by Dave Sjolin <sjolin@swbell.net>

80) [122934] KITS: Atlanticon
by "Dave Benson" <nn1g@earthlink.net>

81) [122935] Mobile antenna bonanza - Identification & Advice.
by Bill Coleman <aa4lr@arrl.net>

82) [122936] Re: Antenna question... trap dipoles
by Bill Coleman <aa4lr@arrl.net>

83) [122937] Re: Antenna Wire
by Bill Coleman <aa4lr@arrl.net>

84) [122938] FS Dentron HF200A
by <n2go@arrl.net>

85) [122939] Re: International Crystal Manufacturing (ICM)
by Pete Burbank <plburbank@kih.net>

86) [122940] OT, anyone on the list
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>

87) [122941] THHN Wire?
by George Reeves <greeves@emory.edu>

88) [122942] Zif sockets

- by <n2go@arrl.net>
- 89) [122943] emtech zm-2 question
by Gary Lee <kb9zuv@arrl.net>
- 90) [122944] THHN House wire!
by George Reeves <greeves@emory.edu>
- 91) [122945] OT: Airport Security and HTs Etc.
by "Jensen, Gary" <GJensen@shaklee.com>
- 92) [122946] Re: FS Dentron HF200A
by <n2go@arrl.net>
- 93) [122947] TEN-TEC MODEL 247 ANTENNA TUNER
by "Ham" <KD5NWA@mbayona.com>
- 94) [122948] Re: Problems after Sierra mods
by "Trevor Jacobs" <fxtech@earthlink.net>
- 95) [122949] FS - QRP Spring Cleaning
by Dennis Doran <wb8wtu@yahoo.com>
- 96) [122950] Re: FS Dentron HF200A
by K5BDZ@aol.com
- 97) [122951] Re: FS - QRP Spring Cleaning
by Dennis Doran <wb8wtu@yahoo.com>
- 98) [122952] Re: OT: Airport Security and HTs Etc.
by John Harper AE5X <ae5x@qsl.net>
- 99) [122953] Re: Paid Editors -- Long
by "Larry Spinner" <n2icz@hotmail.com>
- 100) [122954] Re: OT: Airport Security and HTs Etc.
by KKANALZ@prodigy.net
- 101) [122955] Re: OT: Airport Security and HTs Etc.
by Hank Kohl K8DD <k8dd@arrl.net>
- 102) [122956] FS FT-243 xtals
by "Walter AG5P" <walter@cowboy.com>
- 103) [122957] FS HP sig gen Tek scope
by <n2go@arrl.net>
- 104) [122958] West Florida QRP club.
by "Michael B. Byrd" <sunbyrd@gte.net>
- 105) [122959] Re: Zif sockets
by <n2go@arrl.net>
- 106) [122960] Re: Antenna Wire
by Tom Popovic <ki3r@yahoo.com>

Date: Thu, 21 Mar 2002 18:03:27 -0600
From: George Franklin <w0av@juno.com>
To: qrp-l@lehigh.edu
Subject: [122855] Ref. MOSFET IRF530 or 730 to key Tube Transmitter
Message-ID: <20020321.180328.-1680245.1.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Fellers,

A few months back a QRPer in 5-land sent me his schematic for a MOSFET switch to cathode key a tube rig.

Now that I finally acquired some IRF730's I can't find the schematic.

Would that gentleman kindly e-mail the schematic again?

This time I will engrave it on the shack wall.

TIA!

de George/W0AV
Hamming since '35
SOC#101, COG#1, PITA#2

Date: Thu, 21 Mar 2002 15:58:07 -0800
From: "blinn" <blinn@smgazette.com>
To: <kb7ww@easystreet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122856] Re: paddles?
Message-ID: <009501c1d134\$40ea8360\$8e1d5540@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check these out ... homebrew and my favorite set. Contacts are from an old relay. <http://www.qsl.net/wa7tqk/PaddleP8080001.jpg> Also have made several sets using aluminum right angle stock, about 3/4" stuff available from your favorite building supply store, and brass flat stock (thin, springy stuff about 1/4" wide.) in place of the relay contact springs. An easy and satisfying project.

I prefer sending with the keyer and a set of paddles opposed to the straight key.

Bill

--

Date: Thu, 21 Mar 2002 17:28:34 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [122857] Tubes
Message-ID: <Pine.LNX.4.33.0203211653140.3589-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang, all this talk about tubes makes me remember when Heathkit was the major advertiser in QST, and as a young man I saved my money for a DX-100 kit. As I recall it was UPS that brought the kit which must have weighed 50 pounds!

There was a heavy modulation and plate transformers and then the lower voltage with heater windings. The case was heavy steel and the front panel is a standard 19 inch rack panel. A 100 watt American Beauty iron was recommended and we were told "NO acid core solder allowed!".

The finals were a pair of 6146 tubes modulated with a pair of 1625 tubes. There is a VFO that was very stable for that day. All the TR relays were external and of course you had a separate receiver.

This was a fine rig and ran for many years. It did key pretty good and I recall using a tube tr switch which was instantaneous, or nearly so and that was nice for traffic nets. I was active for several years on CW traffic nets.

Heathkit came out with a Single Sideband Adapter for the DX-100 and I put that together and was one of the early SSB stations. I recall very well the AM-SSB War that was most hot on 20 meters. I was in both camps and stayed on AM on 75 meters till the end.

The NM Breakfast Club on 3838 KHz stayed AM until the day when 3838 became a Advance Class frequency and we had to move to 3939. We by mutual agreement went SSB then.

I was far less than happy with tubes. They grew weak fast and while working, were poor. I was overjoyed when the first radios with mostly transistors came out. These hybrid rigs were pretty poor but the transistor oscillators were a lot more stable.

Now the whole rig is solid state and boy the stability and frequency accuracy are almost perfect. And if you only need CW, SSB and 5 watts there are some wonderful tiny rigs out there now.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Thu, 21 Mar 2002 19:29:59 -0500
From: Donn Kuse <casey.jay@gte.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122858] Whitman's Sampler Tins
Message-ID: <3C9A7B07.11AEDF7E@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Want to thank all that responded to where I can find these tins.
Unfortunately, here in central Florida, they seem to have disappeared.
Guess I'll just have to keep looking.
72,73 Donn, WB4ZWT
66 and still learning

Date: Thu, 21 Mar 2002 18:37:39 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Pete Burbank" <plburbank@kih.net>, <qrp-l@Lehigh.EDU>
Subject: [122859] crystal grinding from ARRL
Message-ID: <006e01c1d139\$c561da30\$4e100a0a@rohredt2000>

It was in QST sometime after 1958. And before 1970. Maybe someone with the
CD can check the indices.
I remember the plate glass and Bon Ami grinding compound advice. I think it
also said you could use fine grade of automotive valve grinding compound,
that used to come in little green cans like shoe polish cans.

72,
Stuart K5KVH

Date: Thu, 21 Mar 2002 19:41:00 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: mel@euramcom.freemove.co.uk

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122860] Re: QRPp late! Doug's posting.
Message-ID: <3C9A7D9C.A9BCBC25@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sure, Doug, and George, and Chuck do an awful lot for QRP. We all thank them for what they have done. Without them we would be sadder, and no wiser, and not have many of the rigs, interest or activity we have today.

Now, the publication problem. A publication is a living breathing thing. It needs 24/7 attention to be a success. This is why any successful magazine flourishes. It is also the reason for a magazine to fail too!

It has seemed to me for a long time that what QRP really needs is a magazine that is staffed by a full time paid editor. With this we can finally try to come out of the woodwork and grow up into a real special interest hobby!

Consider, there must be more QRPers with publication backgrounds than just me. There must be some of them who are retired or ready to retire. The IRS allows a retired person to make a small income without paying taxes if the amount he makes is under some limit. It seems to me that a national QRP organization could afford to pay some retired person \$5,000 per year to be the magazine's full time editor.

Sure, his staff wouldn't get paid, and he probably wouldn't have any money to pay for articles, but it would ensure that at least the editorial process would be possible even if he does have other things in his life! And it would be a start!

No, I am not looking for a job. I suggested this very same idea to the ARCI about 1995. They turned it down because they were afraid their surplus would go away. Well, the surplus did not go away. They had a good run with one of the best editors they ever had, Ron Stark. But what goes around comes around, and once again they are in trouble. Their magazine is late too.

I am not criticizing the editors here. Most of you don't understand what goes into the average editor's day. He has a very full plate and it only gets fuller if he is asked to take the job over in the middle!

I also understand that we are dealing with (at least) three competing organizations here. However, I will predict that one of these days one of them will recognize they can do a much better job with a full time

paid editor. They will also see their future depends on it because the editor represents a one unified voice for their activities. They will succeed while the others fall by the wayside!

You might ask where do they get the \$5,000 per year to pay the editor? Well, if the club has 1000 members (and most have more) they could raise the dues by \$5.00 per year. In the light of \$600 radios or even \$50.00 kits, that seems like a small price to pay! We have come to believe that our hobby should be free - but magazines cost money and you get exactly what you pay for!

Just my thoughts on the matter!

73

Date: Thu, 21 Mar 2002 16:35:32 -0800
From: "blinn" <blinn@smgazette.com>
To: <j.p.osburn@ieee.org>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122861] Re: Surf CPO
Message-ID: <010a01c1d139\$7ab1d3a0\$8e1d5540@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wow! That 9081 looks like an answer to the challenge of mounting those 8-pin sockets for the LM-386, etc. for our Manhattan projects.

Thanks for the info.

Bill - WA7TQK

--

Date: Thu, 21 Mar 2002 19:58:09 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: k5di@zianet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122862] Re: Tubes
Message-ID: <3C9A81A1.E935444A@tbaytel.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl:

I also was once the owner of a DX-100, got it when I was in highschool. The rig was 107 lbs shipping weight with case and all, and it was all of that .

The transformers were huge.

I still have all the parts from mine when I took it apart to build other rigs, still have a whack of 6146's still in boxes unused.

Man what a great transmitter.

Fred
VE3FAL

"Karl F. Larsen" wrote:

>

> Gang, all this talk about tubes makes me remember when Heathkit was the
> major advertiser in QST, and as a young man I saved my money for a DX-100
> kit. As I recall it was UPS that brought the kit which must have weighed
> 50 pounds!

>

> There was a heavy modulation and plate transformers and then the
> lower voltage with heater windings. The case was heavy steel and the front
> panel is a standard 19 inch rack panel. A 100 watt American Beauty iron was
> recommended and we were told "NO acid core solder allowed!".

>

> The finals were a pair of 6146 tubes modulated with a pair of 1625
> tubes. There is a VFO that was very stable for that day. All the TR relays
> were external and of course you had a separate receiver.

>

> This was a fine rig and ran for many years. It did key pretty good
> and I recall using a tube tr switch which was instantaneous, or nearly so
> and that was nice for traffic nets. I was active for several years on CW
> traffic nets.

>

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> and I put that together and was one of the early SSB stations. I recall
> very well the AM-SSB War that was most hot on 20 meters. I was in both
> camps and stayed on AM on 75 meters till the end.

>

> The NM Breakfast Club on 3838 KHz stayed AM until the day when
> 3838 became a Advance Class frequency and we had to move to 3939. We by
> mutual agreement went SSB then.

>

> I was far less than happy with tubes. They grew weak fast and
> while working, were poor. I was overjoyed when the first radios with
> mostly transistors came out. These hybrid rigs were pretty poor but the

> transistor oscillators were a lot more stable.
>
> Now the whole rig is solid state and boy the stability and
> frequency accuracy are almost perfect. And if you only need CW, SSB and 5
> watts there are some wonderful tiny rigs out there now.
>
> --
> Yours Truly,
>
> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.zianet.com/k5di/>

Date: Thu, 21 Mar 2002 15:00:34 -0600
From: Don <dwittlic@APCI.net>
To: skydive@usa.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122863] Re: paddles?
Message-ID: <3C9A49F2.D8BAFDDF@APCI.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob and the Group:

The excerpt from Bob's post quoted below describes perfectly what I once experienced:

I was the unsuspecting operator attempting sit in for someone who had been using a modern keyer with "Curtis B" logic (which I had never heard of) instead of the older, familiar "Curtis A" logic. After a while I caught on that something was amiss.

Is it possible for a beginning operator to not know the characteristics of his "B logic" keyer with the result that certain characters are fumbled consistently? Could that be the circumstance of those operators Bob is talking about?

A separate question: Have others found the transition to "B" logic too troublesome to be worthwhile after being used to "A" logic?

Fortunately the better keyers allow the operator a choice between these two iambic styles.

```

      ,-----'
      /      What's all this      \
      / extinct stuff, anyhow?    /
      \-----'
      | /
oo\
(--) \
      \ \ . ' .
      \ \ / \

```

```

\  "      \
.      ( ) \
'-| )__| :. \
| | | | \ '.
c__; c__; '-..'>._

```

IEEE Member #40274515

Email: ctrask@primenet.com
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

Date: Thu, 21 Mar 2002 17:13:21 -0800 (PST)
From: Patrick Gardella <pgardella@yahoo.com>
To: "Brice D. Hornback" <bdh@cyberbound.net>, qrp-1@Lehigh.EDU
Subject: [122865] Re: 78L05 Knowledge
Message-ID: <20020322011321.18175.qmail@web13008.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Ok, now I'm baffled. I've replaced it, turned it around, verified it by the PDF below. No matter what I do, they still only output 0.866V (two different 78L05's!). I've got 8 or so volts on the input.

I guess it's on to checking the rest of the circuit.

Thanks to everyone who responded!

72,
Patrick
KD4LOX

--- "Brice D. Hornback" <bdh@cyberbound.net> wrote:
> Patrick,
>
> If you've got the pins down... that's backwards. With the flat side facing
> you and the pins UP that's correct. Try turning it around and I bet that
> fixes it.
>
> Here's the datasheet with a diagram:
> <http://www.national.com/ds/LM/LM78L05.pdf>
>
> 73/72/71! de Brice KA8MAV
> <http://www.QRPp-I.com>

>
> ----- Original Message -----
> From: "Patrick Gardella" <pgardella@yahoo.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Thursday, March 21, 2002 5:05 PM
> Subject: 78L05 Knowledge
>
>
> > Got an problem and a solution here, and I figured I'd ask and gain a
> little knowledge...
> >
> > I've been working on a project, and I have a 78L05 in it. I have it wired
> exactly the same way I
> > have several other 78L05 (from the same company), but instead of giving
> out 5V, I get about 0.5V
> > (if that), and a burned finger if I touch it within a second or two of
> providing power. (It's
> > hooked to a 9V battery)
> >
> > The simple answer is to replace it (I have several others). But for
> knowledge sake, what might be
> > the problem with it? Defective part? Did I do something wrong with it?
> >
> > More details:
> > T0-92 package - flat side facing me, pins are (IN GND OUT)
> >
> > Patrick
> > KD4LOX
> >
> > -----
> > Do You Yahoo!?
> > Yahoo! Movies - coverage of the 74th Academy Awards
> > <http://movies.yahoo.com/>
> >
>

Do You Yahoo!?
Yahoo! Movies - coverage of the 74th Academy Awards
<http://movies.yahoo.com/>

Date: Thu, 21 Mar 2002 17:37:10 -0600
From: "Gordon Couger" <gcouger@provalue.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122866] Re: How To Use Those "Out-of-Band" FT-243 rocks

Message-ID: <125301c1d13e\$d2c15e30\$ab2dccd0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

You can speed up the process by using acetone of high proof alcohol to speed up the drying and building a fixture out of an old crystal holder testing that doesn't use screws but a clamp to hold the plate on the crystal holder. You have to test the fixture to make sure it works the same as a regular holder. You should probably move to the last few Kc it the holder you intend for it to be in.

When it stops isolation you can sometime get it going again by beveling the edges. An angled jig works best for this. Or it did 45 years ago.

72

Gordon W5RED

----- Original Message -----

From: <KKANALZ@prodigy.net>

: <snip>I wouldn't be surprised if someone with the
: tools and knowledge could re-Grind many of the Rocks
: into something usable in Amateur Radio Service?<snip>

:

: >QRPP Dx Tu, (C) 2002 K3TKS

: >

: >Sir George, The First :^}

:

: >72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@
: abs.net

:

: Well, George, here's how YOU can re-grind (up, not
: down!) some of those FT-243 crystal blanks you have in
: your junkbox (it also appears on Ian Purdie's -
: VK2TIP - web site):

:

: A few tips on grinding crystals from an Old Timer,
: both from FT-241/243 blanks as well as HC-6/U holders!

:

: Way back when, in nineteen-forgotten, I used a piece
: of PLATE glass, about 3/8-inch thick (I don t
: recommend that thin, fragile window-pane glass be
: used) and about 7 or 8 inches square. The initial
: abrasive I used (as did a lot of others) was Bon-Ami
: scouring powder, but Ajax and other similar scouring
: powders will also work. For a finer abrasive, you can
: use Soft Scrub (allegedly a non-abrasive , but it
: really is - just a bit finer than the heavy-duty

: stuff). For still more gentle action, you can use
: toothpaste (not the gel stuff - get ol -fashioned
: Colgate). For
: the really-really-really fine touch(es), get some
: jeweler s rouge. Let s assume your crystal blank (from
: the FT-243) is about 25 to 20 kHz BELOW your desired
: operating frequency. It could be lower than that, and
: it s okay - it ll just require more grinding on your
: part.
:
: I d recommend you FIRST build a test oscillator and
: check the initial operating frequency of
: your surplus crystal. Jot it down on a piece of
: paper or your lab notebook . Carefully remove the
: screws that hold on the cover plate of the FT-243. Try
: not to destroy the neoprene gasket that seals the
: cover plate to the body of the crystal holder. Inside,
: you ll see a compression spring and a (usually) brass
: plate that has a little tail that runs off to one of
: the crystal holder pins (provides one of the two
: electrical connections to the crystal blank). G-e-n-t-
: l-y lift up that plate (I used a sharp-pointed awl)
: jusssssst enough that you can tip out the crystal
: blank from between the two brass plates (there s one
: on the back side of the crystal
: blank).
:
: On the heavy-duty glass plate, make a thickish paste
: of water and some of that scouring powder. Use a
: pretty good glop of it, cause you re going to be
: spreading it about as you grind your rock .
:
: Place the crystal blank in the scouring power paste,
: and using just your index and middle finger (you know,
: the one you use on the highways when that %&*\$#@! cuts
: you off), apply gentle pressure on diagonally opposite
: corners. Using this grip , begin to move the crystal
: in a FIGURE EIGHT (NOT circular!) pattern over the
: glass base plate - any size 8 will do; use one
: that s comfortable for you (mine, as I recall, were
: about 3 inches or so).
:
: After about five or six figure eights , grasp the
: OTHER two diagonal corners in the same fashion and
: continue with the figure eight pattern, same number of
: laps. Now, turn the crystal blank over and grind the
: OPPOSITE SIDE the same number of turns, using first
: one pair of diagonal corners and then the other pair

: of corners, as described above. If you need to, add
: some more scouring powder/water to the mess you have
: on the glass plate. The number of figure eight s
: you ll need to get the rock on the desired frequency
: is a function of how low in frequency it is (rela-tive
: to the desired operating frequency), how hard you
: press down as you grind, and just how abrasive your
: scouring powder is. Only experimentation and years and
: years of doing this will give you a feel for the
: technique!

:
: You re going to need either: a) A test oscillator to
: check the frequency and operation of the crystal or b)
: A working transmitter to verify the frequency and
: operation of the crystal.

:
: Carefully remove the quartz blank from the grinding
: compound and in a slow stream of cool water,
: thoroughly rinse off the grinding paste (you can
: gently apply a toothbrush to aid in this process if
: you want). LEAVE THE GRINDING PASTE ON THE
: GLASS GRINDING PLATE - you ll probably need it
: again. With clean fingers, hold the crystal blank by
: its edges and reassemble the blank in the FT-243
: holder - just slip it in between the two brass plates.

:
: Don t forget to re-install that compression spring!
: Put the cover plate back on the assembly and re-
: install all cover screws. Torque them down pretty
: well, since the amount of pressure on the crystal
: affects its operating frequency. Install the assembled
: FT-243 crystal in the test oscillator and measure the
: new operating frequency.

:
: Knowing how many figure-eight laps you did on each
: side will give you a rough idea of how many kilohertz
: you can move the crystal blank versus the number of
: laps of grinding effort. I doubt that just a few
: turns will move the rock very much, but I highly
: recommend you begin slowly and gently until you
: develop a feel for how much your efforts will actually
: move the frequency. Then you can be more aggressive in
: future grindings .

:
: Let s assume your FT-243 still isn t on frequency (it
: won t be, believe me), so disassemble the FT-243 again
: (see initial steps above), remove the crystal blank
: and grind it some more - maybe this time, 20 or 30

: laps on both corners, and 20 or 30 laps of the OTHER
: side of the blank. Again, clean the blank thoroughly,
: re-assemble the FT-243 and re-check the frequency in
: your test oscillator.
:
: As it says on the laxative bottle, repeat as
: necessary. Keep in mind that if you are checking the
: frequency in a test oscillator, the operating
: frequency may be slightly different from that of the
: ACTUAL transmitter in which the crystal is used. I d
: recommend using the real transmitter (into a dummy
: load, of course!) as your test oscillator, to avoid
: the differences in circuit capacitance, oscillator
: type, et cetera.
:
: Using graphite (from a soft-lead pencil) will move the
: crystal blank frequency DOWN (grinding moves it up, of
: course), but you have to be v-e-r-r-y careful where
: you apply it to the crystal blank surface - that s a
: lesson for another time.
: Karl K - W8TIF
: McKinney, Texas
:
:
:
:
:

Date: Thu, 21 Mar 2002 17:37:47 -0600
From: "Gordon Couger" <gcouger@provalue.net>
To: <alihernlem@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122867] Re: Crystals
Message-ID: <125401c1d13e\$d347cc40\$ab2dccd0@home>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

If you have questions about crystals International Crystal in Oklahoma City can answer about any of them. They make the most reliable and expensive crystals around and have been at it for long long time. They are 50 to 100% higher than the cut rate places but they ship on time and their crystals work like that they are supposed to if you can give them all the information that they need to make it. Home brewing we don't always have all the information that they would really like but they have always been helpful in

the past with me.

72

Gordon W5RED

----- Original Message -----

From: "Brad Hernlem" <alihernlem@hotmail.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, March 21, 2002 6:24 PM

Subject: Re: Crystals

:
:
:
:
: >From: George Gingell <k3tks@u1.abs.net>
: >Brad,
: >
: >I just read QRPL Digest and thought that I would drop you a note about
the
: >Crystals. A very good bit of information, which many will find useful, I
: >am sure. I always wondered about those Channel Markings, but never seemed
: >to have time to dig for the information.
: >
: >I have been collecting Crystals off and on for several years.
: >Unfortunately, most are packed away in storage along with hundreds of Ham
: >Radio Magazines.
: >
: >I am curious as to the source of your information. Is there a Book or
: >Equipment Manual that has this information? Is there a Chart or Listing
of
: >All of the Channels and corresponding Fundamental Frequencies?
:
: I found this information in the RSGB Radio Communication Handbook. I
: recently picked up a copy of this book (actual a two book set) from a
local
: ham. It is one of the older editions (don't have it in front of me) from
the
: early 1970s. I swept the crystals in my possession (some of each variety,
: two and three digit channel numbers) with my signal generator, scope and
: frequency counter and verified that all agree with the formulae. Of
course,
: not ALL FT-241 crystals are of this sort and I am not an expert on mil
: surplus.
:
: BTW, the RSGB Handbook gives a table to guide the design of SSB filters
: using crystals from the two series (it also warns the reader that these
: crystals are old -- that was thirty years ago! -- and may not be reliable

: for this application).
:
: It is strange to me that the ARRL didn't publish this information, as a
: matter of course, in their handbooks. Or maybe I just don't own the
handbook
: that included it ... if there is one.
:
: Maybe there are still a lot of these crystals floating around for the
simple
: reason that this information was not made widely known. I know that I was
: always wondering how people knew which crystals to buy to build that 455
kc
: filter or BFO.
:
: >It is interesting to note that others have thought to mount the newer
: >types of crystals inside of the FT-243 & FT-241 Holders. I have played
: >with that a bit in the past. I also made an adapter out of the FT-243,
: >which has molex pins inside of the FT-243 Holder soldered to the pins
: >inside and held in place with Epoxy. Small holes are drilled in the top
of
: >the case to allow insertion of Wire lead Crystals.
:
: A related "Hint or Kink" is that female Molex pins (readily available from
: Radio Shack) can be made to fabricate sockets. The pins on these crystals
: are the same diameter as the pins on octal tubes (i.e. 3/32").
: Molex pins are pretty close match. Some while back I could NOT find a
socket
: for my 2BP1 CRT tubes and fabricated one instead using a block of Delrin
and
: female Molex pins. The same thing could be done to make a crystal socket
but
: octal sockets are already so plentiful that this would not likely be a
: limitation for most people. Instead of using male Molex pins I would use
: pieces of 3/32" brass tubing. I have used this to fabricate plug in coils
: for my homebrew dip meter, for example. See:
:
: <http://www.geocities.com/alibhernlem/Radio/gdo.html>
:
: >I made this origionally for testing my crystals, although it can be used
: >in your transmitter also.
: >
: >My thoughts about the problem of limited Crystal current capacity.
:
: I didn't mean to scare people off of trying. I just wanted to point out
that
: while lamps may have been good for monitoring crystal drive in older
designs
: they would not likely afford any degree of security with microprocessor

: crystals. Some people have reported driving them well beyond what the
specs
: would suggest possible, however. You can't know whether something will
fail,
: for certain, until it does.
:
: Regards,
:
: Brad
:
: >I wonder if we could make a group buy on Pre-Ground FT-243 Crystal Blanks
: >from someone like Peterson Crystals? Then we could just mount them in
the
: >old holders that we happen to have around in the Junque Box? There are
: >Thousands of Surplus FT-243 & FT-241 Crystals out there with the "Wrong
: >Quartz" inside.
: >
: >I wouldn't be surprised if someone with the tools and knowledge could
: >Re-Grind many of the Rocks into something usable in Amateur Radio
Service?
: >
:

Date: Thu, 21 Mar 2002 20:18:15 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <pgardella@yahoo.com>
Subject: [122868] Re: 78L05 Knowledge
Message-ID: <040301c1d13f\$72b69e00\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sounds exactly like what mine do when I try to suck too many of them millie
amp thingies out of 'em.

Well, also check the caps on both sides ... cold solder joint on one of them
can make the little bugger pretty unhappy, too.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Patrick Gardella" <pgardella@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, March 21, 2002 8:13 PM
Subject: Re: 78L05 Knowledge

Date: Thu, 21 Mar 2002 20:28:41 -0500
From: geoff allsup <gallsup@whoi.edu>
To: Jimmy.Lee@bartow.k12.ga.us
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [122869] Re: Norcal BLT?
Message-ID: <3C9A88C9.16B5C76@whoi.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Lee, Jimmy" wrote:

>
> I just built the BLT kit. I does work properly. The right var. cap had
> no effect on the tuning. I am very new at building things and I need to
> know where I can get infromation on trouble shooting.
> Jim, AE4DT

Hi Jimmy

I have a BLT too, and for some frequencies and/or lengths of antenna, it is a bit touchy to tune. Assuming your wiring is OK, perhaps try a different band. I've used a "Norcal Doublet" and also just a dipole that essentially has the BLT at its center (very low to the ground!!!); both have worked well on multiple bands. Just be sure that the dipole is AT LEAST a half-wave at the lowest frequency you are trying to operate. Usually I can get close to the right settings by tuning for max noise / signal strength in receive. But sometimes it's really hard to tell, and careful tuning of one cap then the other while watching for the "slightest" dimming of the LED is needed. Like I said, a bit touchy, but it does work....

72,
geoff
--

Geoff Allsup, W10H gallsup@whoi.edu or w10h@arrl.net
Research Engineer Upper Ocean Processes Group
Woods Hole Oceanographic Institution Woods Hole, MA, USA

Date: Thu, 21 Mar 2002 20:35:28 -0500
From: geoff allsup <gallsup@whoi.edu>
To: rohre@arlut.utexas.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122870] Re: crystal grinding from ARRL
Message-ID: <3C9A8A60.C4FFFDCB@whoi.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Stuart Rohre wrote:

>
> It was in QST sometime after 1958. And before 1970. Maybe someone with the
> CD can check the indices.
> I remember the plate glass and Bon Ami grinding compound advice. I think it
> also said you could use fine grade of automotive valve grinding compound,
> that used to come in little green cans like shoe polish cans.
>
> 72,
> Stuart K5KVH

hmmm, that sounds vaguely familiar; I think I did that with one of my 4
crystals!! So it was perhaps QST from mid 60's where I saw it
described????

72,
geoff
--

Geoff Allsup, W1OH gallsup@whoi.edu or w1oh@arrrl.net
Research Engineer Upper Ocean Processes Group
Woods Hole Oceanographic Institution Woods Hole, MA, USA

Date: Thu, 21 Mar 2002 20:49:21 -0500
From: Harry Hurst <wa3ptg@comcast.net>
To: W2SH@aol.com, Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122871] Re: Building a tube QRP xmitter
Message-ID: <B8BFF7D0.4AC%wa3ptg@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

on 3/21/02 12:48 AM, W2SH@aol.com at W2SH@aol.com wrote:

>
> On Wed Mar 20 2002 at 05:54:23 EST, Harry Hurst (wa3ptg@comcast.net) wrote:
>
>>> That Novice special is a nice little rig. I built mine from an early 70's
>>> handbook and had a ball with it. I eventually added 160 coverage >>and made
>>> many contacts with a random wire and an amazing breadboard >>tuner.
>>> Unfortunately, I traded it away, something I still regret! And all those
>>> FT-243 crystals! What was I thinking?
>
>>> We didn't know how good we had it in those days.
>
>>> Wonder if I can figure out how to drive a 6C4 with one of my little >>hartly
>>> VFOs?
>
>
> Hey, gang, we should all pitch in and give Hap all the help he needs.
>
> HE'S FROM DELAWARE!!!
>
>
> Charles, W2SH

Yeah, Charles, I'm from Delaware, but I only operate long enough to know that my latest project works, then I start something else. I just might build another Novice Special this summer, Most of what is needed is at the hamfests, if you're willing to dig a bit.

Hap, WA3PTG
Wilmington DE

Date: Thu, 21 Mar 2002 20:56:24 EST
From: K5BDZ@aol.com
To: mel@euramcom.freemove.co.uk, qrp-1@lehigh.edu
Subject: [122872] Re: QRPp late! Doug's posting.
Message-ID: <11d.e146e28.29cbe948@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 03/21/2002 4:09:12 PM Central Standard Time,
mel@euramcom.freemove.co.uk writes:

> Without the "Doug's" and the "George's" and the "Chuck's" QRP would

> be much less than it is now! And that's NOT a comprehensive list by
> any manner of means.
Here, Here!!

Bill K5BDZ

Date: Thu, 21 Mar 2002 19:02:31 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: Bill Coleman <aa4lr@arrl.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122873] Re: Antenna Wire
Message-ID: <B8BFDEC6.13310%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Bill - Well at \$0.10 a foot it isn't that expensive, and it is hard drawn,
unlike the THHN stuff. And it is widely available. It isn't easy to find the
hard drawn stuff at Loews. :^)

And I have had troubles with both layers of THHN insulation deteriorating;
the clear layer goes quick, the stuff underneath cracks in a couple of
years. Oddly the black stuff is as bad as the white and red. Recall that my
QTH is at 6900 ft ASL, so UV is more of a problem than it would be in
Atlanta.

There are lots of good choices for wire. Most are acceptable, but if you
have exacting requirements the choices can be limited.

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Thu, 21 Mar 2002 19:07:47 -0700
From: Larry and Andrea Gagnon <lagagnon@sprint.ca>
To: qrp-l@lehigh.edu
Subject: [122874] Problems after Sierra mods
Message-ID: <3.0.6.32.20020321190747.0079c980@pop3.sprint.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello everyone. I have just completed the following modifications to my
Sierra QRP rig (as per past posts and reviews to this list):

- 1) replaced L10 RF choke with a 4 to 1 transformer, using FT-50-43 with 12 bifiliar turns of # 24 wire
- 2) replaced the 2N3553 final with a 2SC1971 and mounted it on the back panel
- 3) replaced the R14 drive control with a 500 ohm pot mounted on the back panel
- 4) replaced the 2N2222A driver with a 2N5109

The purpose of the above mods is to enable increased power out at higher frequencies and easy control of power range from milliwatts to about 8 watts.

[Besides the above modifications I had previously also installed an SWR bridge with switch near the back panel to enable the KC2 to read either forward or reverse power.]

These mods work as suggested on lower frequencies but at 18 megs and higher the following symptoms occur:

- 1) the action on the drive control (the new R14 pot on the back panel) becomes inconsistent or nonlinear, often exhibiting either very low power out or full power with little range in between
- 2) the reliability of the measurements of the SWR section (which is very closely mounted next to the drive control and the new final

I suspect that I may have to shield the SWR bridge to account for increased power out and proximity to the drive control and final transistor. Because the drive control and final transistor are now mounted on the back panel they require connecting wires to the panel about 2 inches long and I also wonder if some of the symptoms described above may be reduced by shielding these wires?

Any other ideas out there would be greatly appreciated. Thanks...

Larry VE6MK

=====
Larry and Andrea Gagnon
245 Wildwood Drive SW, Calgary AB, T3C 3E2, CANADA
Tel: 1-403-217-1999 Email: lagagnon@sprint.ca
=====

Date: Thu, 21 Mar 2002 19:26:47 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>
Subject: [122875] Miracle Whip
Message-ID: <B8BFE477.13314%jamesd1@flash.net>

Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The HF- Pack group has the results of an antenna shoot out.

On 20 M the Miracle Whip was 10 dB down from a reference quarter wave vertical.

What does this mean?

If you put 0.5 watts into the reference vertical antenna you will need to put 5 watts into the Miracle Whip to get an equivalent signal.

For strong "S9" signals, you probably won't notice much difference. On the Miracle Whip they will be S5 to S7.

A CW signal becomes good, solid copy at 10 dB above the noise. Call it an S2 or S3. With the Miracle Whip such a signal will be at the noise level.

Most good CW ops can copy CW with the signals at or a dB or 2 below the noise. These won't be copiable with the Miracle Whip.

I hope that this helps people judge the effectiveness of the Miracle Whip. -
Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Thu, 21 Mar 2002 21:47:07 -0500
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [122876] Trade for QRP Update
Message-ID: <00de01c1d14b\$dbbb4480\$a13e4a18@your318ruqz03z>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello

After receiving several emails suggesting that I keep the TR7 and run it at QRP levels, I have decided that would be best. I like the rig and it hears very well, and the 500 hz filter/PBT option really helps. Thank all of you for all the offers. I plan on adjusting the ALC pot on the rig to see how

low of output I can get on cw. If anyone knows how low it will go it will help, cause I have no idea? I do plan on buying an SST for 40 meter travel, got to get back to fox hunting.

Thanks

72 de ke4vpn

Ronnie

Date: Thu, 21 Mar 2002 21:58:08 -0500
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [122877] Trade TR7 for QRP Update
Message-ID: <00f701c1d14d\$65b0b110\$a13e4a18@your318ruqz03z>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello

After receiving several emails suggesting that I keep the TR7 and run it at QRP levels, I have decided that would be best. I like the rig and it hears very well, and the 500 hz filter/PBT option really helps. Thank all of you for all the offers and advice. I plan on adjusting the ALC pot on the rig to see how

low of output I can get on cw. If anyone knows how low it will go it will help, cause I have no idea? I do plan on buying an SST for 40 meters.

Thanks

72 de ke4vpn

Ronnie

Date: Thu, 21 Mar 2002 22:05:35 -0500
From: "T.J. \"Skip\" Arey N2EI" <tjarey@tjarey.com>
To: qrp-l@Lehigh.EDU
Cc: Schunn99@aol.com
Subject: [122878] RE:paddles?
Message-ID: <5.1.0.14.0.20020321220051.00a19c00@mail.tjarey.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

>is it harder to learn to send cw on a set of paddles than a straight key?

As I recall..way back when. I sort of learned both at the same time. I didn't find one method harder than the other. Especially at the lower speeds that go with first learning.

As to "cheap" paddles, you may not really want to go there. It is probably better to grow into a good moderately priced set of paddles such as a Bencher or Vibroplex set than to put up with poor performance. You'll have your paddles for your whole ham career. Aactually, once you get hooked you'll have more than one set but that is a discussion for another time.

+++++

T.J. "SKIP" AREY N2EI

Specialization is for insects! LAZARUS LONG

Date: Thu, 21 Mar 2002 21:13:14 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Bruce Muscolino" <w6toy@erols.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [122879] Re: crystal grinding from ARRL-how to monitor frequency in grinding process
Message-ID: <003101c1d14f\$8124aad0\$4e100a0a@rohredt2000>

A note to all those rushing out to grind crystals up into the ham bands from those old non ham band FT 243s.

A technique pioneered by Leo Meyerson of World Radio Labs and his crystal partner when they had to grind crystals during WW2, after his ham business dried up because of war: They mounted wire leads on metal plates under the blank and above it, with the grinding powder between the top plate and the crystal. In fact I think they had powder under the blank too, and the machines they invented ground both sides at once. Well, the metal contacts were hooked to ham receivers beside each machine. The ham receiver would be set to the frequency they wanted to have from the crystal. They would grind until they heard a sound in the receiver when the grinding pressure on the crystal blank caused the crystal to generate a voltage at the two wires going to antenna inputs of the radio. This carrier would tell them the crystal had gotten to the frequency, and they better stop the grinding motor. This replaced the mechanical measurement of so much thickness for such and such frequency used laboriously up until that invention.

Now I am going out on a limb here:

I have seen photos of the grinding machines and I think the blanks were in

pockets in the outer part of a wheel affair. I am not sure if the motion was only circular, or if the wheel was moved eccentrically to make the figure 8 pattern that hand grinders must use to keep the faces of the blank exactly parallel. Anyway, maybe you could rig the same pickup scheme and monitor the moving frequency of the blank you are grinding by hand. It would be fun to try. Meyerson's crystal company got a War time E award for discovering this, but because it was a government contract they could not patent it, and had to share it with all the other crystal companies grinding war crystals. It is still used in industry, I am told. The requirement for so many receivers, one for each crystal machine, kept companies like National Radio in business during the war, over and above what they might have sold to military for receivers. This was all covered in Leo's biography that was published earlier this year.

72, Stuart K5KVH

Date: Thu, 21 Mar 2002 22:30:16 -0500
From: Radioham <radioham@comcast.net>
To: elecraft@mailman.qth.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122880] For Trade - Heath HW-9
Message-ID: <5.1.0.14.0.20020321221846.009f8dc0@mail.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

I admit it, I have a weakness for HW-9s and a few months ago I purchased one trying to relive the good old days (not that long ago, but technologically another generation). As much as I like it, I find I can't go back again. This one has the WARC pack installed for 8 band coverage, looks fantastic and puts out 4 watts solid on all bands except 40 meters, where it runs 1.5 to 2 watts. I also have a DC power cord and a copy of the manual (not an original).

I would like to trade for a K-1, an OHR 500, possibly an LDG MP-11 with balun, AH-4 or something similar. If you have always wanted a HW-9, this is a good one to get.

Cash offers only as a last resort :-).

72/73,

Steve, N4EUK
Reston, VA

Date: Thu, 21 Mar 2002 22:42:42 -0500
From: "Matt Lee, WB6BWZ" <Matt@Tenn-Valley.com>
To: <jthiessen@videotron.ca>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122881] RE: Meguro 35 Mhz Oscilloscope
Message-ID: <NDBBJPBMMMLGNBGOMICADAEAKHPAA.Matt@Tenn-Valley.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jim VA3KV,

I never heard of Meguro but using "Meguro" for the search criteria in
<<http://www.dogpile.com/>> led to this hyperlink:

<http://www.meguro.co.jp/english/catalog/indexenglish.htm>

If they manufactured a 35 MHz 'scope, you may need to inquire by email
<mec@meguro.co.jp> about it because I did not see it listed in their current
product line.

Here in the southeastern United States, we contact "The Scope Man" for our
oscilloscope needs. I have not found any refurb/reseller come close to what "The
Scope Man" sells his 'scopes for. It would really be worth your time to check
out this resource:

Bob Garcia KD4JRT
(770) 977-5701
Marietta, Georgia
esaronel@bellsouth.net

I found it best to call Bob, 0730-1930 ET, instead of emailing him. Bob usually
sells his scopes at hamfests.

My story:

Two NoGA QRP Club members recommended I contact Bob for my scope needs. They
bought scopes from Bob several years ago and are very pleased with the
performance of Bob's refurb work.

After a short phone conversation with Bob for the first time two weeks ago, he recommended less expensive scopes that would meet my near-term needs from what I had in mind for my shopping list. Technically he was right. That's how honest Bob is.

I ended up buying a Kenwood CS-6040 four-trace 150 MHz scope (\$395) and a Sony/Tektronix 323 5 MHz portable scope (\$145). I chose the least expensive and most expensive scopes (of the four scopes) that Bob had setup for me to chose from (as his recommendation). The other two scopes were Tek 2225 dual trace 50 MHz scope for \$195 and Tek 2235 dual trace 100 MHz scope for \$295, excellent buys in my opinion.

The internal boards of the scopes I bought are super clean...as if they were only used in a laboratory environment.

--

Matt Lee, WB6BWZ * 404-609-0780 * 404-355-1555 * eFax 801-340-2487
TeleMed, Inc. (MIS-Engrg) * Physician Call Ctr * Atlanta Georgia
Business Email: Matt@TeleMedinc.com <mailto:Matt@TeleMedinc.com>
Personal Email: Matt@Tenn-Valley.com <mailto:Matt@Tenn-Valley.com>

> -----Original Message-----

> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of
> Jim Thiessen

> Sent: Thursday, March 21, 2002 18:20

> To: Low Power Amateur Radio Discussion

> Subject: Meguro 35 Mhz Oscilloscope

>

>

> I have a chance to buy a Meguro 35 Mhz oscilloscope, but I can't find much
> info on the web. Does anyone have experience with Meguro scopes? Any good?

> Do anyone have a source for info on Meguro scopes?

>

> Thanks in advance for your help.

>

> Jim

> VA3KV

Date: Thu, 21 Mar 2002 20:52:40 -0700

From: "John A. Evans - N0HJ" <jaevans@codenet.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [122882] Re: linear supply type power transformer question

Message-ID: <3C9AAA87.35788914@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings,

Thanks to all who provided much valuable feedback and recommendations for determining my transformer primary winding config. I'll report back when I have completed my tests and wiring.

tnx es 72 - john - n0hj

Date: Thu, 21 Mar 2002 23:15:47 -0500
From: "ZOOM" <kandrparker@sympatico.ca>
To: <RDavis24@carolina.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122883] Re: Trade TR7 for QRP Update
Message-ID: <000f01c1d158\$3e2bf540\$c791fea9@wishfull3w6i2e>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ron if the TR-7 has an ALC out you can apply an external negative voltage to it to drop the power to practically any level you want.

Regards,
Robert
VE3RPF

----- Original Message -----
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, March 21, 2002 9:58 PM
Subject: Trade TR7 for QRP Update

> Hello
> After receiving several emails suggesting that I keep the TR7 and run it
at
> QRP levels, I have decided that would be best. I like the rig and it hears
> very well, and the 500 hz filter/PBT option really helps. Thank all of you
> for all the offers and advice. I plan on adjusting the ALC pot on the rig

to
> see how
> low of output I can get on cw. If anyone knows how low it will go it will
> help, cause I have no idea? I do plan on buying an SST for 40 meters.
> Thanks
> 72 de ke4vpn
> Ronnie
>
>

Date: Thu, 21 Mar 2002 23:25:27 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [122884] Re: 78L05 Knowledge
Message-ID: <3.0.6.32.20020321232527.00798090@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:13 PM 3/21/02 -0800, you wrote:
>Ok, now I'm baffled. I've replaced it, turned it around, verified it by
the PDF below. No matter
>what I do, they still only output 0.866V (two different 78L05's!). I've
got 8 or so volts on the
>input.
>
>I guess it's on to checking the rest of the circuit.

Patrick,

That sounds almost like a diode forward biased between 5V and ground.

Try lifting the output leg of the regulator, power it up, and see if the
leg reads 5V. (FWIW, I've had 78L05's feed a dead short and still survive
once I cleared the short.)

Perhaps a transistor wired incorrectly?

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Thu, 21 Mar 2002 23:51:30 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: lagagnon@sprint.ca
Cc: qrp-1@lehigh.edu
Subject: [122885] Re: Problems after Sierra mods
Message-ID: <3.0.6.32.20020321235130.007b5db0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>2) replaced the 2N3553 final with a 2SC1971 and mounted it on the back panel

The 2SC1971 is a VHF power transistor and I suspect you are having oscillation problems on those higher bands. The fact the SWR meter goes wacko is an indication this is happening. The 2" leads connecting the transistor to the board are likely a good part of the problem.

As for fixing the problem, good luck. You could try putting the '1971 on the board where the old PA went, so you don't have those long leads. You will of course, need to bolt a heat sink to the transistor. Or try using a lower frequency PA, like a 2SC2166 or 2SC1969. You woun't do as good for power out on the high bands as you would if you could tame the '1971, but at least it would be stable. (maybe)

If you don't have a good scope, (50 MHz min) so you can see whats going on, doing these kinds of mods can get you into all kinds of trouble. I advise against trying to boost the power of rigs by doing these kind of modifications. The design and layout of the board often can't support the higher power levels. An external amplifier is generally a better and safer way to go.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 21 Mar 2002 23:57:34 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: pgardella@yahoo.com
Cc: qrp-1@lehigh.edu
Subject: [122886] Re: 78L05 Knowledge
Message-ID: <3.0.6.32.20020321235734.007b6650@mailhost.ncia.net>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>Ok, now I'm baffled. I've replaced it, turned it around, verified it by the

Try it without a load. If it gives 5 volts like it should, then you know
your trying to suck too much juice out of it.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 21 Mar 2002 22:59:37 -0600
From: "Doc Lindsey" <lindsey425@cs.com>
To: "QRP E-Mail Reflector" <qrp-l@lehigh.edu>
Subject: [122887] OOPS--SST-20 correction
Message-ID: <NFBBLNBGKLJAL0IPFPJ00EAECAAA.lindsey425@cs.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang:

Got some of the information wrong re my SST-20. Many thanks to those who
asked, and here is the *corrected* note:

For Sale--SST-20 transceiver. Excellent condition inside and out. Has both
crystals installed, giving overlapping ranges of 14.052.5-14.062.2, and
14.060.5 - 14.068.5. Two watts out. This rig has worked 28 DXCC countries
in past year and has won ARS Sprint several times.

Cost = \$90.00 including shipping and documentation.

73,
--Doc/K0EVZ

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.338 / Virus Database: 189 - Release Date: 3/14/02

Date: Thu, 21 Mar 2002 23:07:36 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>,
"Karl F. Larsen" <k5di@zianet.com>
Subject: [122888] FOX -- AG0T CFNO Final Log...
Message-ID: <200203220507.AA00382@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Only one revision to the log, but it was a good one. Had Randy, WV9N at 3W, when he was really running 1W. :-) Nice improvement to the SER. :-) Revised log below. Since I've not heard from anyone else, I think we'll call it final. :-)

72/73,

Todd, AG0T

n9ne	0216	559	wi	todd	5w
k4gt	0220	559	ga	jim	5w
w9hl	0221	559	il	randy	5w
k0evz	0222	569	nd	doc	5w
kc0ld	0230	559	mo	jim	5w

wa9tze	0231	559	wi	jim	2w
w5yr	0240	559	tx	george	5w
w5teh	0243	599	ri	lee	5w
ki0ii	0244	559	co	ron	1w
kk5ld	0246	559	tx	dan	5w

n0it	0249	599	mo	dave	5w
kb0lur	0251	599	co	paul	1w
af4ps	0253	559	fl	mac	3w
wr5o	0258	559	tx	dave	5w
wb6bwz	0303	559	ga	matt	5w

w4bqp	0312	559	nc	jim	5w
k9gf	0317	559	wi	rick	5w
k8cv	0323	559	mi	walt	5w
kg6cyn	0325	559	ca	trev	1w
wv9n	0327	559	oh	randy	1w

w0is	0351	599	mn	rick	5w
wa8bxn	0353	579	oh	mike	5w

ag0t 0400 559 nd todd 4w FOX

SER = 4.045

Date: Thu, 21 Mar 2002 23:51:41 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-1@lehigh.edu
Subject: [122889] F3VT - 7034.8 @ 0549Z
Message-ID: <5.1.0.14.0.20020321234602.00aa28d0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

F3VT - 7034.8 @ 0549Z

Felix in Lyon running 500W to a dipole with a reflector. Did not hear me calling at 500mW but knew I was in there. A very skilled and patient op!

Used Argo 515 at 1 watt to a St. Louis Express portable vertical over an even dozen St. Louis Radials - all seven conductors cut to 16.5' or an 8th-wave on 40M.

DX still on frequency at 0552Z.

Good luck!

de Dave, NF0R nf0r@slacc.com

Date: Thu, 21 Mar 2002 21:41:33 -0800 (PST)
From: Wayne Williams <aa5jj@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122890] OHR Elplorer 40 meter
Message-ID: <20020322054133.90292.qmail@web10508.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello again I am now looking just for the manula for the OHR Explorer not the (Explorer II) this one is the older model so if you have one please copy it for me.
Thanks Wayne AA5JJ

Wayne Williams
713 N (G) st.

Muskogee, OK
74403

Do You Yahoo!?
Yahoo! Movies - coverage of the 74th Academy Awards
<http://movies.yahoo.com/>

Date: Thu, 21 Mar 2002 22:33:32 -0700
From: Roy <marion@montana.com>
To: kd1jv@moose.ncia.net,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122891] Re: Problems after Sierra mods
Message-ID: <4.3.1.2.20020321222517.00a7f100@mail.montana.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:51 PM 3/21/02 -0500, Steven Weber wrote:
> >2) replaced the 2N3553 final with a 2SC1971 and mounted it on the back panel
>
>The 2SC1971 is a VHF power transistor and I suspect you are having
>oscillation problems on those higher bands. The fact the SWR meter goes
>wacko is an indication this is happening. The 2" leads connecting the
>transistor to the board are likely a good part of the problem.

WRONG. Well, the 2SC1971 is rated to VHF, But 10 meters IS VHF.

>If you don't have a good scope, (50 MHz min) so you can see whats going on,
>doing these kinds of mods can get you into all kinds of trouble. I advise
>against trying to boost the power of rigs by doing these kind of
>modifications. The design and layout of the board often can't support the
>higher power levels. An external amplifier is generally a better and safer
>way to go.

Quite possibly the most wrong thing I have ever seen on this
reflector. But then, This advice comes from the creator of that hunk o"
junk SA and other "melt solder" abortions. Roy AB7CE

Date: Fri, 22 Mar 2002 00:30:07 -0500
From: lenny wintfeld <w2bvh@comcast.net>

To: "[Low Power Amateur Radio Discussion]" <qrp-1@Lehigh.EDU>
Subject: [122892] ZA1ARD QSL Route
Message-ID: <3C9AC15F.9B469903@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Hi

Does anyone have a qsl route for ZA1ARD ?

Tnx & 73,

Lenny W2BVH

Date: Fri, 22 Mar 2002 00:58:04 EST
From: W2SH@aol.com
To: qrp-1@lehigh.edu
Subject: [122893] RE: Backpack Antenna Launching
Message-ID: <113.e8cf402.29cc21ec@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For anything ambitious I use a bow and arrow. However for less lofty situations, tossing a weight is simpler and usually quicker.

Once I watched a professional arborist prepare to set a rope in my neighbor's high oak tree. I had proposed my bow and arrow to start the process, but he disdained my offer and brought out a small weight and light line. I thought to myself "no way." However, unlike me, he did not throw overhand, but instead spread apart his legs and did an underhand toss using both hands. He succeeded on the second try.

Since then I've found his approach to work much better than any throwing I had tried heretofore.

72/73,

Charles, W2SH

Date: Fri, 22 Mar 2002 07:20:53 GMT

From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@Lehigh.EDU
Subject: [122894] Who'd Believe it??? -- XR0X on 30m!!!!
Message-ID: <GTD3XV02.B8H@mail.usd.edu>

Hi all:

I usually approach these big DXpeditions with a muted kind of enthusiasm -- like, "so what if all the big guns are in there -- I'll sneak around and pull the rug out!" Welll, sometimes the pile-ups are S000000 huge that I give up even trying to work out a strategy. Thus with XR0X tonight. And the previous 4 nights he's been on 30m.

But my 3 hours tonight was kind of enjoyable. I worked on a new NE602-driver-final circuit and read half of Doug DeMaw's NOTEBOOK and skimmed thru some sections of his and Wes Hayward's Solid State Design -- all while hitting the MSG button on my KC1 keyer. Every now and then I'd check where the QSO'ing stn was and shift my xmit freq. Finally, I made my move up to around 10.109.5 where I found the faint sig he was QSO'ing. Sure enough, I was next!!!

I was not prepared for it! I guessed I learned a lesson. Do something else that is fun while calling the DX so I don't get all bent out of shape when I can't break the pile-up. After all, there are all those \$4000 setups out there who aren't breaking it either! They must feel like crap!

I realize that, as Rod N0RC commented, my dipole up 45ft is actually an "optimum setup" compared to an attic dipole at 20ft! All relative I guess!

Now for a nice brandy-n-tea to celebrate #175.

72, Ade W0RSP

Date: Fri, 22 Mar 2002 01:34:15 -0500
From: w4clm.ham@juno.com
To: qrp-1@Lehigh.EDU
Subject: [122895] //Last Word // on the Bare-Essentials Ham Transmitter for Under \$10 - Electronics Illustrated March 1968
Message-ID: <20020322.013416.740.5.w4clm.ham@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok Gang,
Here is the final word on the 50C5 transmitter.
This is the one I was looking for
This link will take you to WD4NKA site and it all there.
<http://www.qsl.net/wd4nka/TEXTS/50c5.HTM>

However if you are a purist and like me I really wanted to see the
original
(March 1968) article as printed from Electronics Illustrated, I posted it
to the
links below. The original article, it's all here, six pages and one
text file.
It's all very clear and very easy to build.

JUST A WORD TO THE WISE THIS IS CRUDE !
SO DON'T CONNECT YOURSELF ACROSS THE 117 A/C LINE !!

// Thanks to Ray Colbert, W5XE, El Paso, (FAR WEST) TEXAS //
For going through all the trouble to scan and send me the .jpg. Thanks
Ray.

Best Regards to the net.
I hope some of you build this gem and have some fun!
73's
Carol
W4CLM

http://personal.atl.bellsouth.net/clt/m/a/maherp/bare_essentials_291.jpg

http://personal.atl.bellsouth.net/clt/m/a/maherp/bare_essentials_301.jpg

http://personal.atl.bellsouth.net/clt/m/a/maherp/bare_essentials_302.jpg

http://personal.atl.bellsouth.net/clt/m/a/maherp/bare_essentials_311.jpg

http://personal.atl.bellsouth.net/clt/m/a/maherp/bare_essentials_312.jpg

http://personal.atl.bellsouth.net/clt/m/a/maherp/bareEssentials_mag_cover-w5let_SM.jpg

<http://personal.atl.bellsouth.net/clt/m/a/maherp/BareEssentialsTransmitter.txt>

Date: Fri, 22 Mar 2002 07:11:57 GMT

From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@Lehigh.EDU
Subject: [122896] Re: Problems after Sierra mods
Message-ID: <GTD3J001.07Z@mail.usd.edu>

Hi Larry:

Have you checked your output signal on a scope? or (dreaming) a spectrum-analyzer?

If not, you don't actually know the freq/s on which that new additional power is being generated.

The drive from the PM0 and xmit mixers derate roughly linearly. That is, for example, the voltages (p-p) at Q5 (J310) buffer driving the 2n5109 driver stage (my Sierra) are as measured at:

band->	30	20	17	15	10
R11	1.2	0.6	0.6	0.5	0.6
L11	1.9	1.8	1.0	1.2	0.9

The low 17m at L11 was due to a flackey C64 which doesn't hold its capacitance.

At any rate, you can see why the amp. Po drops off -- or should!!!

In your case, checking the Po sig with a scope would should that the discontinuities that you describe actually represent the driver and/or final "taking off" into self-oscillation. You whacko SWR readings reperesent the additional parasitic power due to the self-oscillation.

Your 2" leads to the final are definitely an embossed invitation for it to go into self-oscillation -- hold the key down long enough and you'll be ready for a new final!

Further, if you check the output on the lower bands with a scope, you may find disturbing signal impurities as well.

On the low bands where adequate drive is present, the 1:4 transformer has a chance of creating a decent match to the amp output filter, i.e., final RL about 1/4 of 50-ohms. However, on 20 and above where the drive drops off, the final can't be driven to high enough output to drop the 50-ohms filter impedance by 1/4 for a match. So, the 1:4 xfmr is actually (at 2 watts, say) transforming an RL ~ 40-50 ohms by a factror of 4. or, up to 160-200 ohms. The filter isn't going to do its job, quite simply, but it will do whatever it can given the mismatch, which incidentally, will be reflected back thru the circuit.

Redesigning output filter for an input impedance of 200 ohms might help the parasitic self-oscillation problem but probably not with those 2" leads.

72, Ade W0RSP

Date: Fri, 22 Mar 2002 01:50:29 -0500
From: w4clm.ham@juno.com
To: qrp-l@lehigh.edu
Subject: [122897] Re: QRP-L digest 2501 - I SURE DO LIKE THIS GROUP BUT GOOD LORD - 138 MESSAGES
Message-ID: <20020322.015029.740.8.w4clm.ham@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

- I SURE DO LIKE THIS GROUP BUT GOOD LORD - 138 MESSAGES ATTACHED TO THE STRING TODAY AND HALF OF THEM WERE MINE !!

73'S
Carol
W4CLM

Date: Thu, 21 Mar 2002 22:51:30 -0800
From: Mighty Mik <mightymik2@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122898] Re: Problems after Sierra mods
Message-ID: <5.1.0.14.0.20020321225027.00b34b10@mail.attbi.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Since when? I thought VHF was above 30MHz.

At 10:33 PM 3/21/2002 -0700, you wrote:
>WRONG. Well, the 2SC1971 is rated to VHF, But 10 meters IS VHF.

Date: Thu, 21 Mar 2002 22:52:28 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <kd1jv@moose.ncia.net>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122899] Re: 78L05 Knowledge
Message-ID: <018e01c1d16e\$229ff2c0\$cba0b2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Exactly - It's only good for 100mA! If you need more than that, try a 7805 in the T0-220 pack.

Trev

----- Original Message -----

From: Steven Weber <kd1jv@moose.ncia.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Thursday, March 21, 2002 8:57 PM
Subject: Re: 78L05 Knowledge

> >Ok, now I'm baffled. I've replaced it, turned it around, verified it
by the
>
> Try it without a load. If it gives 5 volts like it should, then you
know
> your trying to suck too much juice out of it.
>
>
> 72,
> Steve, KD1JV
> "Melt Solder"
> White Mountains of New Hampshire
> <http://www.qsl.net/kd1jv/>
>

Date: Fri, 22 Mar 2002 02:05:26 -0500
From: w4clm.ham@juno.com
To: qrp-1@lehigh.edu
Subject: [122900] To KG40QU DE W4CLM -----Paddles Vs. Straigh Key -----
Message-ID: <20020322.020526.740.9.w4clm.ham@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Scott, I don't know what speed you are sending and receiving.
Lets just assume with your call / KG / that you have not been licensed

too long.

If you are not sending ** PERFECT C.W. at 5 wpm already.** Then you should be and stick to a straight key until you are !!

If you are fairly competent sending and receiving, then you might think about moving into a bug or a set of paddles. Hopefully if you make this move, you are doing at least 10 to 13 wpm. In my opinion it was always easier to send faster than you could receive.... In so doing you can expect someone to send back to you at the same speed or faster than you are sending. So don't move up to a faster key until you are ready !

The rule of thumb from day #1 that I can remember & as long as I can remember is to: SEND CORRECTLY WITH A STRAIGHT KEY ""FIRST"" before moving into a faster key. Strive for Perfect Sending almost as if you were speaking another language. I can speak a LOT of Japanese !! And nothing is worse than hearing someone try to speak a language and make an abortion of it. The same goes for C.W.

Best Regards
Carol
W4CLM

hi, guys
is it harder to learn to send cw on a set of paddles than a straight key?
what is the cheapest paddle you can buy?
Scott Hunnicutt
Kg4oqu

Date: Fri, 22 Mar 2002 02:32:41 -0500
From: w4clm.ham@juno.com
To: johncawt@voicenet.com
Cc: qrp-1@Lehigh.EDU
Subject: [122901] 3SK40 / 3N211
Message-ID: <20020322.023241.740.12.w4clm.ham@juno.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John,

I remember having used the 3N211 as a replacement in the front end of the YAESU FT-101 transceivers. If I recall the transceiver had much better sensitivity after they were installed and they were one of the easiest

upgrades that you could do for an FT-101 of any vintage. The 3N211 also had diode protection across the FET junctions where the 3SK40 as originally used by Yaesu in the front end did not. I may be wrong, but

if I remember correctly the diodes prevent them from blowing out from static electricity on the antenna or something like that.

I know that doesn't answer your question and I don't know if that tells you anything you didn't already know about the 3N211 you did not already know.

I just thought I would pass on what I remembered about the Yaesu FT-101 in regards to the 3N211

Regards

Carol

W4CLM

Date: Thu, 21 Mar 2002 11:07:20 -0500

From: John Cawthorne <johncawt@voicenet.com>

To: qrp-1@Lehigh.EDU

Subject: [122797] Dual Gate FET's

Message-ID: <3.0.5.32.20020321110720.00a21b20@popmail.voicenet.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I am building a receiver that requires quite a few RCA40673's (or 3n211, or 3SK40). Does anyone on this list know with authority if a 3SK73 would be a

direct replacement for the above devices? This would be for use in RF Amp,

mixer and Osc. use at HF. I can get them for about 1/10 the cost of the specified devices. Does anyone have any data on the 3SK73?

72/73,

John KE3S

Date: Fri, 22 Mar 2002 04:41:07 -0500
From: KKANALZ@prodigy.net
To: <gcouger@provalue.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122902] Re: International Crystal Manufacturing (ICM)
Message-ID: <AA-336B360D4A3C88667AC1549F32A7655B-ZZ@maillink1.prodigy.net>

An obviously old-timer (like myself), Gordon Couger wrote:

>If you have questions about crystals International
Crystal in Oklahoma City can answer about any of them.
They make the most reliable and expensive crystals
around and have been at it for long long time. They
are 50 to 100% higher than the cut rate places but
they ship on time and their crystals work like that
they are supposed to if you can give them all the
information that they need to make it. Home brewing we
don't always have all the information that they would
really like but they have always been helpful in
>the past with me.

>

>72

>Gordon W5RED

* * * * *

Amen! International Crystal has always been my choice
for precision, delivery and performance regardless of
price!

Does anyone remember when(Gordon probably does!)ICM
made various "modules" for ham use? Oscillators,
buffers and even receiver-type modules to "build"
stuff?

Karl K - W8TIF
McKinney, Texas

Date: Fri, 22 Mar 2002 05:02:31 -0500
From: KKANALZ@prodigy.net
To: <rohre@arlut.utexas.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122903] crystal grinding from W8TIF (looonnnnng)

Message-ID: <AA-A06120A9AB27E12F17F21FD7DD0D0185-ZZ@maillink1.prodigy.net>

Here's a treatise (summary?) I wrote some time ago of how I've been grinding FT-243 (and similar) crystal blanks. It's now in the Flying Pigs "Bacon Bits" and on Ian Purdie's web site:

A few tips on grinding crystals from an Old Timer, both from FT-241/243 blanks as well as HC-6/U holders!

Way back when, in nineteen-forgotten, I used a piece of PLATE glass, about 3/8-inch thick (I don't recommend that thin, fragile window-pane glass be used) and about 7 or 8 inches square. The initial abrasive I used (as did a lot of others) was Bon-Ami scouring powder, but Ajax and other similar scouring powders will also work. For a finer abrasive, you can use Soft Scrub (allegedly a non-abrasive, but it really is - just a bit finer than the heavy-duty stuff). For still more gentle action, you can use toothpaste (not the gel stuff - get ol'-fashioned Colgate). For the really-really-really fine touch(es), get some jeweler's rouge. Let's assume your crystal blank (from the FT-243) is about 25 to 20 kHz BELOW your desired operating frequency. It could be lower than that, and it's okay - it'll just require more grinding on your part.

I'd recommend you FIRST build a test oscillator and check the initial operating frequency of your surplus crystal. Jot it down on a piece of paper or your lab notebook. Carefully remove the screws that hold on the cover plate of the FT-243. Try not to destroy the neoprene gasket that seals the cover plate to the body of the crystal holder. Inside, you'll see a compression spring and a (usually) brass plate that has a little tail that runs off to one of the crystal holder pins (provides one of the two electrical connections to the crystal blank). G-e-n-t-l-y lift up that plate (I used a sharp-pointed awl) jussssst enough that you can tip out the crystal blank from between the two brass plates (there's one on the back side of the crystal blank).

On the heavy-duty glass plate, make a thickish paste of water and some of that scouring powder. Use a

pretty good glob of it, cause you re going to be spreading it about as you grind your rock .

Place the crystal blank in the scouring power paste, and using just your index and middle finger (you know, the one you use on the highways when that %&*\$#@! cuts you off), apply gentle pressure on diagonally opposite corners. Using this grip , begin to move the crystal in a FIGURE EIGHT (NOT circular!) pattern over the glass base plate - any size 8 will do; use one that s comfortable for you (mine, as I recall, were about 3 inches or so).

After about five or six figure eights , grasp the OTHER two diagonal corners in the same fashion and continue with the figure eight pattern, same number of laps. Now, turn the crystal blank over and grind the OPPOSITE SIDE the same number of turns, using first one pair of diagonal corners and then the other pair of corners, as described above. If you need to, add some more scouring powder/water to the mess you have on the glass plate. The number of figure eight s you ll need to get the rock on the desired frequency is a function of how low in frequency it is (rela-tive to the desired operating frequency), how hard you press down as you grind, and just how abrasive your scouring powder is. Only experimentation and years and years of doing this will give you a feel for the technique!

You re going to need either: a) A test oscillator to check the frequency and operation of the crystal or b) A working transmitter to verify the frequency and operation of the crystal.

Carefully remove the quartz blank from the grinding compound and in a slow stream of cool water, thoroughly rinse off the grinding paste (you can gently apply a toothbrush to aid in this process if you want). LEAVE THE GRINDING PASTE ON THE GLASS GRINDING PLATE - you ll probably need it again. With clean fingers, hold the crystal blank by its edges and reassemble the blank in the FT-243 holder - just slip it in between the two brass plates.

Don t forget to re-install that compression spring! Put the cover plate back on the assembly and re-install all cover screws. Torque them down pretty

well, since the amount of pressure on the crystal affects its operating frequency. Install the assembled FT-243 crystal in the test oscillator and measure the new operating frequency.

Knowing how many figure-eight laps you did on each side will give you a rough idea of how many kilohertz you can move the crystal blank versus the number of laps of grinding effort. I doubt that just a few turns will move the rock very much, but I highly recommend you begin slowly and gently until you develop a feel for how much your efforts will actually move the frequency. Then you can be more aggressive in future grindings .

Let s assume your FT-243 still isn t on frequency (it won t be, believe me), so disassemble the FT-243 again (see initial steps above), remove the crystal blank and grind it some more - maybe this time, 20 or 30 laps on both corners, and 20 or 30 laps of the OTHER side of the blank. Again, clean the blank thoroughly, re-assemble the FT-243 and re-check the frequency in your test oscillator.

As it says on the laxative bottle, repeat as necessary. Keep in mind that if you are checking the frequency in a test oscillator, the operating frequency may be slightly different from that of the ACTUAL transmitter in which the crystal is used. I d recommend using the real transmitter (into a dummy load, of course!) as your test oscillator, to avoid the differences in circuit capacitance, oscillator type, et cetera.

Using graphite (from a soft-lead pencil) will move the crystal blank frequency DOWN (grinding moves it up, of course), but you have to be v-e-r-r-y careful where you apply it to the crystal blank surface - that s a lesson for another time.

Karl K - W8TIF
McKinney, Texas

--- Original Message ---

From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: crystal grinding from ARRL

>It was in QST sometime after 1958. And before 1970.
Maybe someone with the CD can check the indices.<snip>

Date: Fri, 22 Mar 2002 06:25:10 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <pgardella@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122904] Re: 78L05 Knowledge
Message-ID: <00ac01c1d194\$4b00e780\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A first time circuit? Try a lab supply to make sure the circuit is OK.
And measure it's current draw to make sure an "L" part can handle it.
If not, then you may need an "M" part, or the standard. Or even an
"H" part!

Mike

----- Original Message -----
From: "Patrick Gardella" <pgardella@yahoo.com>
Subject: Re: 78L05 Knowledge

> Ok, now I'm baffled. I've replaced it, turned it around, verified it by
the PDF below. No matter
> what I do, they still only output 0.866V (two different 78L05's!).
I've got 8 or so volts on the
> input.
>
> I guess it's on to checking the rest of the circuit.
>
> Thanks to everyone who responded!
>
> 72,
> Patrick
> KD4LOX
>
> --- "Brice D. Hornback" <bdh@cyberbound.net> wrote:
> > Patrick,
> >
> > If you've got the pins down... that's backwards. With the flat side
facing

> > you and the pins UP that's correct. Try turning it around and I bet that
> > fixes it.
> >
> > Here's the datasheet with a diagram:
> > <http://www.national.com/ds/LM/LM78L05.pdf>
> >
> > 73/72/71! de Brice KA8MAV
> > <http://www.QRPp-I.com>
> >
> > ----- Original Message -----
> > From: "Patrick Gardella" <pgardella@yahoo.com>
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > Sent: Thursday, March 21, 2002 5:05 PM
> > Subject: 78L05 Knowledge
> >
> >
> > > Got an problem and a solution here, and I figured I'd ask and gain a
> > little knowledge...
> > >
> > > I've been working on a project, and I have a 78L05 in it. I have it
wired
> > exactly the same way I
> > > have several other 78L05 (from the same company), but instead of
giving
> > out 5V, I get about 0.5V
> > > (if that), and a burned finger if I touch it within a second or two
of
> > providing power. (It's
> > > hooked to a 9V battery)
> > >
> > > The simple answer is to replace it (I have several others). But for
> > knowledge sake, what might be
> > > the problem with it? Defective part? Did I do something wrong
with it?
> > >
> > > More details:
> > > T0-92 package - flat side facing me, pins are (IN GND OUT)
> > >
> > > Patrick
> > > KD4LOX

Date: Fri, 22 Mar 2002 06:36:47 -0500
From: John R Kirby <n3aaz-qrp@juno.com>

To: w6toy@erols.com, qrp-1@Lehigh.EDU
Subject: [122905] QRPP Gets my vote
Message-ID: <20020322.063658.-232445.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

RE . . .
From: Bruce Muscolino <w6toy@erols.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Thu, 21 Mar 2002 19:41:00 -0500
Subject: Re: QRPP late! Doug's posting.

Bruce,

You know how to lather up my horse.

Please,
sit down,
take a deep breath,
switch to low octane and
enjoy this hobby.

For a "no rules" organization
!! **THE** ENTIRE !!! Nor-Cal QRP Club
'sure-has-done' an O U T S T A N D I N G job.

READ that . . . past and present.

John
N3AAZ
FM 19 xa

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Date: Fri, 22 Mar 2002 05:29:12 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Gene Sailsbury <gsailsbury@mobill1.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122906] Re: Learning CW, Koch, Farnsworth, Etc.
Message-ID: <Pine.LNX.4.33.0203220527190.1630-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gene, its been over a month now and wonder how your getting along.
Please tell me how much study time (about) and the success/failure of the
effort. I really want to know!

On Thu, 7 Feb 2002, Gene Sailsbury wrote:

> I downloaded the program and feel that it works great. It is helping me to
> increase my speed. I am sorry that I learned CW at 5 WPM because it has
> messed me up. By learning at such a slow speed I still try to listen for
> the
> Dits and the Dahs and not the sound. This program will get me away from a
> very bad habit. I agree with those that say don't learn at the slow speed.
> Thanks for all the information that this group has put out.
> Once I break the old bad habits I will be able to feel comfortable in
> working CW which I do not feel that I can
> now. So one day you will hear me calling CQ in CW.
> I am working with a couple of locale hams to get over being so nervous using
> CW. Again thanks to all of you for helping me see the light.
> 73
> Gene Sailsbury KC0IKY
>
>
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Fri, 22 Mar 2002 07:28:36 -0600

From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122907] RE: Problems after Sierra mods
Message-ID: <01C1D173.2EB76660.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Sounds like Roy has taken on yet ANOTHER kit he's unable to build. And misplaced his medication to boot.

-----Original Message-----

From: Roy [SMTP:marion@montana.com]

WRONG. Well, the 2SC1971 is rated to VHF, But 10 meters IS VHF.

>If you don't have a good scope, (50 MHz min) so you can see whats going on,
>doing these kinds of mods can get you into all kinds of trouble.

Quite possibly the most wrong thing I have ever seen on this reflector. But then, This advice comes from the creator of that hunk o' junk SA and other "melt solder" abortions. Roy AB7CE

Date: Fri, 22 Mar 2002 08:28:19 -0500
From: John McKee <JMckee@rfmd.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [122908] very good portable antenna comparison
Message-ID: <0F9390B0854ED41180050004ACE6E0E5044A3945@mail2.internal.rfmd.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

There is a very good real world comparison of several types of portable antennas on the hfpack website. It's sort of like a portable antenna "shoot out". Very well done.

Date: Fri, 22 Mar 2002 08:28:18 -0500
From: Gary Lee <kb9zuv@arrl.net>
To: qrp-1@lehigh.edu
Subject: [122909] recommendation needed for bedside station

Message-ID: <3.0.6.32.20020322082818.00797860@mailhost.ind.ameritech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Summer is comming, and I usually suffer from insomnia for most of the season.
I would like to set up a small qrp station in the bedroom. Nothing fancy,
just a single-bander, and indoor antenna.

Figure on 10, 12, or 15m because of physical space limitations. Any
recommendation? Might even go 20 or 30, but not sure about getting a 30
meter antenna in a bedroom.

I know that 10 and 12 willl probably be useless at night, so maybe we'd
better think about 15, 17, 20 or 30.

Well, enough rambling.
Thanks in advance for info.

Gary Lee
Ball State University
765-285-1310

Date: Fri, 22 Mar 2002 09:17:48 -0500
From: hamjoel@juno.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu, rahrahlane@aol.com,
n1mo@midmaine.com, reddenison@aol.com, ve1ama@rac.ca,
Subject: [122910] Nonsense
Message-ID: <20020322.092014.-300025.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The knight of the 18 wheeler and the Moose

Joel had himself a pickem-up truck
drove real well in the dark
til a moose jumped in front
and he hit the brakes
and jammed it into park....

Thair in the dark
with dis moose on the hood
ah herd the radio say
cq de ----- /qrp

ah got the guy and
started telling 'bout the moose
when topping the hill going full tilt
heah comes an 18 wheeler

Sideways, sideways he comes
tires squealing and smoking
madder than the dead moose
the driver come running up

what u doing son
working qrp I said
so he jumped in the utter side
and showed me the ham licence
what he had...

qrp huh.... beenen wanten to try that
who u got on the radio?
he grabbed the key
and i an't got to ham no meaux...

dayllight come soon enough
and we got the vehicles a-running
made a friend that nite
my friend, the dad moose, qrp and me
on a back road in maine...

it only me
kella joel
in maine
countin how many sneaux flakes
has to melt to make a drop of water...

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<http://dl.www.juno.com/get/web/>.

Date: Fri, 22 Mar 2002 09:27:12 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: Gary Lee <kb9zuv@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122911] Re: recommendation neded for bedside station
Message-ID: <20020322092511.G74790-100000@unix1.vhost.min.net>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 22 Mar 2002, Gary Lee wrote:

> Summer is comming, and I usually suffer from insomnia for most of the season.
> I would like to set up a small qrp station in the bedroom. Nothing fancy,
> just a single-bander, and indoor antenna.

> I know that 10 and 12 willl probably be useless at night, so maybe we'd
> better think about 15, 17, 20 or 30.

Being one of those "It's 3 AM and I'm awake" folks, I'll look for you on
30...every now and again I qso another sleep zombie up there.

73
Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Fri, 22 Mar 2002 09:37:48 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: n3aaz-qrp@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122912] Re: QRPp Gets my vote
Message-ID: <3C9B41BC.E9E2727E@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I never said that NORCAL was not doing a good job. NORCAL does an
excellent job. BUT, at some time or another ALL the magazines in this
corner of the hobby experience delays because their editors have
personal problems!

Now you can either choose to accept that or you can do something about
it. Posting a message to this list like "where's my magazine" does not
get the issue delivered to you. In fact you may be only angering and
embarrassing the editor!

Money will. If any of the clubs took a more business like approach to

the publication problem we might be able to fix the problem. A \$5.00 per year fee does not seem like a whole lot, been \$10.00 per year does not seem to high to ensure you will receive your precious magazine on time! After all, \$10.00 represents only a few cents each day spread over the period of a year!

73

Date: Fri, 22 Mar 2002 08:59:10 -0600
From: Ken Hopper <khopper@uchicago.edu>
To: qrp-l@Lehigh.EDU
Subject: [122913] Re: very good portable antenna comparison
Message-ID: <3C9B46BE.B59369C1@uchicago.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

how about a link to the "hfpack" website?

tnx,
de ken n9vv

Date: Fri, 22 Mar 2002 09:00:03 -0600 (CST)
From: Bruce Rattray <rattrey@gpfn.sk.ca>
To: Bruce Muscolino <w6toy@erols.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122914] Re: QRPp Gets my vote
Message-ID: <Pine.LNX.4.33.0203220859000.20351-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...well said Bruce....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

On Fri, 22 Mar 2002, Bruce Muscolino wrote:

> I never said that NORCAL was not doing a good job. NORCAL does an

> excellent job. BUT, at some time or another ALL the magazines in this
> corner of the hobby experience delays because their editors have
> personal problems!
>
> Now you can either choose to accept that or you can do something about
> it. Posting a message to this list like "where's my magazine" does not
> get the issue delivered to you. In fact you may be only angering and
> embarrassing the editor!
>
> Money will. If any of the clubs took a more business like approach to

Date: Fri, 22 Mar 2002 09:06:20 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: khopper@uchicago.edu, qrp-l@lehigh.edu
Subject: [122915] HF Pack Web and Group [was -- very good portable antenna
comparison]
Message-ID: <3.0.2.32.20020322090620.00839100@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 08:59 AM 03/22/2002 -0600, you wrote:
>how about a link to the "hfpack" website?

>
>tnx,
>de ken n9vv
>
Website

<http://www.hfpack.com/>

Yahoo Group

<http://groups.yahoo.com/group/hfpack/>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

Date: Fri, 22 Mar 2002 10:16:58 -0500 (EST)
From: "" <k5mgj@excite.com>
To: qrp-l@Lehigh.EDU
Subject: [122916] Manuals available for sale

Message-ID: <20020322151658.32E9DB6D8@xmXPita.excite.com>

MIME-Version: 1.0

Content-Type: text/html; charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Gang,

Bill, K5BDZ donated (quite a while ago) his very large collection of

manuals for the Houston QRP club to use as a fund raiser. Fate intervened in the
form of the great Houston flood (June '01) and the project had to wait for real
life needs to be taken care of.

But, it's here. A page has now been placed on the HQRP website with a link to the
manual inventory page. That direct link is provided below..

<http://www.hqrp.stevens.com/hqrp%20manuals.htm>

On that page you will find every item donated by Bill, as well as

information on how to purchase one of these manuals. We're not trying to get into
the manual copy business - when they are sold, they are gone.

There is some rather rare stuff in there, as well as some excellent

original brochures for radios long out of production. If you never got the
original brochure for your radio, you just might find it here.

All proceeds go to pay for the costs of the HQRP 2N2-40 Parts Kits that were
supplied to each HQRP member at the time of kitting.

Feel free to post the link to another list for those who might benefit from this
collection.

Thanks for your attention.

Mark Janzer, K5MGJ

K5MGJ@excite.com

and

Ed Manuel, N5EM

n5em@amsat.org

<p><hr>

Date: Fri, 22 Mar 2002 10:18:04 -0500

From: KKANALZ@prodigy.net

To: <w6toy@erols.com>,

"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [122917] Re: Paid Editors

Message-ID: <AA-C5D85BB7D9B7975D1A7481CB25883780-ZZ@maillink1.prodigy.net>

I must say that I agree (for once) with Bruce Muscolino's suggesting of *paying* the editor of QRPP or any other voluntary QRP magazine (such as QRPQ) for that matter.

Being a volunteer editor of any sort of newsletter, no matter how simple or how elegant is a totally thankless endeavor (endeavour, for our British friends!). I've been there and done that.

Sure, ham operators are notorious for being "do it on the cheap", but Bruce is right -- \$5 or \$10 more per year for a publication with the quality of QRPP or QRPQ amounts to only a few pennies (U.S.-type pennies) a day, and is far, far less in cost than Q-Street! Well worth it to me!

I'm not denigrating *anyone's* efforts toward helping

the ham radio community by volunteering to be editor/publisher of *any* kind of publication that disseminates useful information, and we must all realize that personal events often enter the "equation" when it comes to meeting deadlines (bless 'em).

Doug Hendricks has been a BIG supporter and supplier to the QRP and ham radio community in general, so please be understanding.

Paying an editor may not be the end solution, but it would sure help Doug or his associated "thankless" editors to have a few extra bux to ease the agony!

Karl K - W8TIF
McKinney, Texas

Date: Fri, 22 Mar 2002 10:18:54 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [122918] KF2EW E-mail
Message-ID: <001001c1d1b4\$e21f38e0\$fb645cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hello,

Wonder if Mike, KF2EW, is on this list or if anyone knows his e-mail address.

Thanks,
72
Ron Polityka
WB3AAL
www.n3epa.org

Date: Fri, 22 Mar 2002 10:44:10 -0500
From: Ed Lawson <k1vp@grizzly.com>
To: nkennedy@tcainternet.com

Cc: qrp-1@Lehigh.EDU
Subject: [122919] Re: Problems after Sierra mods
Message-ID: <20020322104410.275ad039.k1vp@grizzly.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

On Fri, 22 Mar 2002 07:28:36 -0600
Nick Kennedy <nkennedy@tcainternet.com> wrote:

> Sounds like Roy has taken on yet ANOTHER kit he's unable to build. And misplaced his medication to boot.

Oh. His comments were so far off the mark I thought they were intended to be ironic or sarcasitc.
You thought he was being serious?

As to the topic, seems like a prescription for disaster to muck up the basic design of the Sierra by basically trying to redesign the PA section without adequate lab tools to know what is going on and the design skills to do the redesign.

Ed Lawson
K1VP

Date: Fri, 22 Mar 2002 10:35:11 -0500
From: "KD3PC" <kd3pc@mindspring.com>
To: <KKANALZ@prodigy.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [122920] Re: Paid Editors
Message-ID: <000e01c1d1b7\$283d2240\$0101a8c4@6545>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My \$.02 worth

Also having been there and done that....inm ore than one "hobby"

When money enters the picture, things change possibly for the better, more often for the worse. The editor then is beholden to the money (and/or it's source) rather than to the freedom, objectivity, he needs and his ability to perform.

The additional cost of the subscription (\$5/10), as often voiced here (especially as regards ARRL, check your archives!), is going to push more than a few folks out of the picture.

The "paid" editor is then "responsible" for all aspects of the publication, whether under his control or not... and you will have a bunch of whining at the least to include, I want a "credit" or "refund" or some such. Customer support then becomes a business, not an effort.

The bigger issue of this campaign is that you will push a LOT of able editors out the door, as they often do it as a love for the hobby, or out of passion - not a "job". By paying them, you may also move them in to the professional ranks and some with real jobs can not take a second salary or stipend, with out jeopardizing their livelihood.

You WILL run the risk of some other "paid" group buying, merging, dictating policy or wanting the mail list, for a price and that sort of thing. Many clubs would have to re-write their constitutions and by-laws, some will lose their 503/Non profit status.

Be careful what you wish for, I for one, would vote to leave this can of worms (and the others like it) alone.

"Paid seldom means better" says Dave Dabay, been there and through it.

dave dabay
flames to /dev/null - reasoned responses gladly accepted..

Date: Fri, 22 Mar 2002 10:38:39 -0500
From: "Lee, Jimmy" <Jimmy.Lee@bartow.k12.ga.us>
To: <kd3pc@mindspring.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122921] RE: Paid Editors
Message-ID: <4B0AF71313064D4FA2B931AB5DEA3ADDD33E42@coexch2.bartow.k12.ga.us>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Another point of view that makes a lot of sense.
Jim, AE4DT

-----Original Message-----
From: KD3PC [mailto:kd3pc@mindspring.com]

Sent: Friday, March 22, 2002 7:35 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Paid Editors

My \$.02 worth

Also having been there and done that....inm ore than one "hobby"

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often for the worse. The editor then is beholden to the money (and/or
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source) rather than to the freedom, objectivity, he needs and his
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than a few folks out of the picture.

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publication,
whether under his control or not... and you will have a bunch of whining
at
the least to include, I want a "credit" or "refund" or some such.
Customer
support then becomes a business, not an effort.

The bigger issue of this campaign is that you will push a LOT of able
editors out the door, as they often do it as a love for the hobby, or
out of
passion - not a "job". By paying them, you may also move them in to the
professional ranks and some with real jobs can not take a second salary
or
stipend, with out jeopardizing their livelihood.

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dictating
policy or wanting the mail list, for a price and that sort of thing.
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clubs would have to re-write their constitutions and by-laws, some will
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their 503/Non profit status.

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worms (and the others like it) alone.

"Paid seldom means better" says Dave Dabay, been there and through it.

dave dabay

flames to /dev/null - reasoned responses gladly accepted..

Date: Fri, 22 Mar 2002 10:40:30 EST
From: Mercxx@aol.com
To: <qrp-1@lehigh.edu>
Subject: [122922] FS Ten Tec 509 Argonaut
Message-ID: <12f.e76111d.29ccaa6e@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Good morning,

I have for sale my 509 Argonaut with external CW filter. I am asking 200 plus shipping. I have the manual and a copy of mods done to it. Please respond off list with any questions. I also have the Ten Tec KR-40 paddle keyer for sale for 30.00. If bought as a package I would take 245.00 that includes shipping anywhere in CONUS. Thanks for the time.

73

Steve

N4TKP

Date: Fri, 22 Mar 2002 10:57:30 -0500
From: W2AGN <w2agn@pobox.com>
To: KD3PC <kd3pc@mindspring.com>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122923] Re: Paid Editors
Message-ID: <0203221057300Q.12723@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Friday 22 March 2002 10:35, KD3PC wrote:

> My \$.02 worth

<SNIP>

> Be careful what you wish for, I for one, would vote to leave this can of
> worms (and the others like it) alone.

>

> "Paid seldom means better" says Dave Dabay, been there and through it.

>
> dave dabay
> flames to /dev/null - reasoned responses gladly accepted..

--

Tere are some really good points AGAINST a paid editor. The most obvious is that once you start "hiring" employees you end up with a lot of legal ramifications, and possibly fun and games with the IRS.

Anyway, Doug and the staff at QRPARCI does a great job. I can wait a few months for my magazine. The only gripe I can see is if you don't get your 4 issues for a 1 year subscription, and I don't think that has happened yet.

Besides, I remember a few months ago some member of this list was crying because "due to stock market downturn" they could no longer afford a subscription to QQ, or QST or something. An extra \$5.00 a year would probably drive them into Chapter 13!

John L Sielke W2AGN
w2agn@pobox.com
<http://mywebpages.comcast.net/w2agn>
Trustee: W3IYQ

Date: Fri, 22 Mar 2002 11:01:29 -0500
From: KKANALZ@prodigy.net
To: <kd3pc@mindspring.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122924] Re: Paid Editors -- All Said And Done..
Message-ID: <AA-B429A08A6679D3480764F42ADBCE101C-ZZ@homebase1.prodigy.net>

All said and done, Dave, you're probably right, in spite of the fact that I agree with Bruce Muscolino.

As long as volunteer editors are willing "to do it" to the best of their ability (most of us are willing to put up with the vagaries of personal life events), then an un-paid editor, at least for QRP publications, is probably best. Personally, I have absolutely NO quibble with any QRP publication, late or not!

Technology is technology, so I value each issue of every QRP-type publication to which I subscribe!

Karl K - W8TIF

McKinney, Texas

--- Original Message ---

From: "KD3PC" <kd3pc@mindspring.com>

To: <qrp-l@Lehigh.EDU>

Subject: Re: Paid Editors

>My \$.02 worth

>

>Also having been there and done that....in more than
one "hobby" <snip-snip>

>Be careful what you wish for, I for one, would vote
to leave this can of worms (and the others like it)
alone.

>dave dabay <un-snip>

Date: Fri, 22 Mar 2002 10:28:55 -0600

From: "George, W5YR" <w5yr@att.net>

To: w4clm.ham@juno.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [122925] Re: //Last Word // on the Bare-Essentials Ham Transmitter for
Under \$10

- Electronics Illustrated March 1968

Message-ID: <3C9B5BC7.37A77785@att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

At the risk of at least sprinkling, if not raining, on the growing parade of interest in QRP tube-based rigs, it might be worth mentioning that all the ingredients for RFI generation are present in these designs: directly keyed (perhaps) oscillators, Class C frequency multipliers and final amplifiers, usually minimal operating-frequency output filter networks, sometime almost total lack of isolation r-f chokes and bypass caps on incoming and outgoing leads to power supply, a-c line, key, etc., marginal or totally absent overall shielding, etc.

While at the 5-10 watt power level it is unlikely that RFI disaster will strike, and the informed can always augment the basic design as needed to control and confine harmonic products and the like, newbies might fail to understand why our modern rigs are designed and constructed as they are with linear amplifiers, lack of frequency multipliers, adequate shielding and filtering, careful attention to output networks to minimize harmonic output and to satisfy tougher FCC regs than "in the old days" and so on.

Again, not trying to discourage anyone from having fun building and operating a QRP tube rig - that is where I started 56 years ago; been there, done that and still have the T-shirt! - but there are differences between them and our modern rigs. Not the least of which is the absolute importance of three rules that you must follow to avoid electrical shock:

1. KEEP your hands out of any rig that has the power turned on - touch nothing that is not insulated.
2. ALWAYS keep one hand in your pocket if you must poke around in a live rig with test probes, tuning tools, etc. Use clip leads to attach one test probe - usually to the chassis or system ground - and use only one hand to use the other.
2. NEVER do anything to a rig or power supply that is "OFF" until you disconnect the power cord and then short every single electrolytic cap to remove any residual charge. The key tool here is the classic "shorting stick" which can be nothing more than a screwdriver with a cliplead between the blade and the rig chassis. Even a QRP rig can have voltages as high as 250 volts present.

I hope that this renaissance in the old "tube" rigs brings lots of fun and pleasure to those who make the effort to build and operate them. If nothing else, they are an education in the progress of amateur radio technology that shows just how far we have come in the last 50 years or so.

But, the main thing is that they can be a lot of fun!

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

w4clm.ham@juno.com wrote:

- >
- > Ok Gang,
- > Here is the final word on the 50C5 transmitter.
- > This is the one I was looking for
- > This link will take you to WD4NKA site and it all there.
- > <http://www.qsl.net/wd4nka/TEXTS/50c5.HTM>
- >
- > However if you are a purist and like me I really wanted to see the
- > original
- > (March 1968) article as printed from Electronics Illustrated, I posted it

> to the
> links below. The original article, it's all here, six pages and one
> text file.
> It's all very clear and very easy to build.
> -----
> JUST A WORD TO THE WISE THIS IS CRUDE !
> SO DON'T CONNECT YOURSELF ACROSS THE 117 A/C LINE !!

Date: Fri, 22 Mar 2002 11:03:44 -0600
From: "George, W5YR" <w5yr@att.net>
To: kb9zuv@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122926] Re: recommendation neded for bedside station
Message-ID: <3C9B63F0.50099B5E@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gary, I would concentrate on 30 and 40 and forget the others unless they come "free." Those are the only two bands that you can count on being open in the wee hours of the morning. Considering antenna problems, if you limit yourself to a single band, I would recommend 30 as the way to go.

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

Gary Lee wrote:

>
> Summer is comming, and I usually suffer from insomnia for most of the season.
> I would like to set up a small qrp station in the bedroom. Nothing fancy,
> just a single-bander, and indoor antenna.

Date: Fri, 22 Mar 2002 12:56:24 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: KKANALZ@prodigy.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [122927] Re: Paid Editors
Message-ID: <3C9B7048.DC334222@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thank you too, Karl.

QRP is a real part of ham radio. It is no longer just running low power, even though that's what I think it is! It deserves real consideration and support from all of us.

To me a paid editor was one way to get there. If you compare our subscription prices to QST they are about one half. If you belong to more than one club you are already paying QST prices for our small magazines. If we took a more professional approach maybe we could attract the ads that QST has and improve our magazine(s) even more.

Please, I have no argument with any club. At one time or another I have belonged to them all. We have to stop with the gut reaction that I am a bad guy against everyone. I am only trying to help us grow up! If we never take the first step we will never walk! We're past the crawling stage!

73

Date: Fri, 22 Mar 2002 13:15:49 EST
From: PDouglas12@aol.com
To: QRP-L@lehigh.edu
Subject: [122928] Registering for FDIM is easy
Message-ID: <8a.15e11b65.29cccd5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,

I just registered for the FDIM seminar and Banquet at Dayton, and it was plug easy using Paypal. If you have a Paypal account (any of you who are doing Ebay stuff probably already have one) then you can register using push buttons on your computer without bestirring yourself to get up and get your checkbook. If you haven't already registered, and want to save yourself some trouble, just go over the the QRP ARCI website (<http://qrp.lehigh.edu/lists/qrp-l/join.html>) and follow to FDIM for the registration route. I even registered and payed for my friend Tom W2RFU. Incidentally, Paypal is a worthwhile thing to set up for safe online

purchasing, and it only takes few minutes--it's free for buyers.

I missed last year in both senses of the word, and I am looking forward to seeing the "boys" and the stuff. You say you have never been to Dayton? Whatsamatter with you? You know you aren't getting any younger, and life is short. I'm certain the pyramids are awesome, but for me it's Dayton.

72,
Preston WJ2V

Date: Fri, 22 Mar 2002 12:15:42 -0600
From: Darrel Swenson <k0awb@tcon1.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122929] Re: Paid Editors -- All Said And Done..
Message-ID: <3C9B74CE.9040005@tcon1.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

>
>
>As long as volunteer editors are willing "to do it" to
>the best of their ability (most of us are willing to
>put up with the vagaries of personal life events),
>then an un-paid editor, at least for QRP publications,
>is probably best. Personally, I have absolutely NO
>quibble with any QRP publication, late or not!

>
I agree. I think the various volunteer editors do an excellent job. I like the format and style of the volunteer journals. (The half size ones are especially nice... they fit inside my day planner... great reading at lunch.)

If you would like to help them out... why not write up one or two of your projects and submit it to your favorite publication. If the editor just has to edit and not write the articles also, it makes their jobs a lot easier.

ALL THE EDITORS DESERVE A THANK YOU FOR GREAT JOB !

Just my 2 cents worth...

Darrel... K0AWB

Date: Fri, 22 Mar 2002 13:12:26 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: kd3pc@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122930] Re: Paid Editors
Message-ID: <3C9B740A.11DFAC76@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What you say is all true. But is really does not reflect the real situation in QRP. QRP is more like publishing a club newsletter than a real magazine. Yet we continually gripe that our magazines are not delivered on time! If we don't care when we receive our magazine then we should stop complaining! No one is trying to rip us off for the \$15.00!

Editing and publishing a journal of any type takes a lot of work. Sure, the editor is responsible for everything printed in it, but he can be protected by caveats published in the front of the magazine! No one expects the editor to have expertise in everything. At this point his responsibility is to keep the publication on schedule, and maybe go to some hamfests and spread the word.

I presume you have had a bad experience with someone. That is sad, but not really relevant the the issue. No one is going to try to buy out, or in to, a QRP journal. There simply is not enough money in it! We are in the growing phase of our hobby. If we should ever grow to 50,000 members then we can start worrying!

As far as the extra money scaring people away, this has never been an inexpensive hobby. If you want cheap, try walking in the woods! This is a technical hobby, and most technical hobbies are expensive. Just ask any amateur photographer, or any budding drag racer! I know \$10.00 seems like a large sum if you take it all at once, but if you put aside a dime each week you ill have it in a year! Makes it a bit more palatable doesn't it!

73

Date: Fri, 22 Mar 2002 13:19:56 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: w2agn@pobox.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [122931] Re: Paid Editors

Message-ID: <3C9B75CC.A4D79E00@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Interesting points John. Actually the issue of hiring other employees can be dealt with in the editor's contract. Just specifically forbid it! I am not talking about paying \$50,000 per year, I am talking about paying \$5,000 per year, to a retired person. I want his skills, not his appetites! You only lose control if you fail to monitor what he does. If the clubs can't monitor what they put out, they are already in trouble.

I agree that the clubs do a good job. I don't agree that we should see several messages every so often asking where is my magazine! If we want to ensure the magazine is there we should be willing to pay something of it! Otherwise we should shut up!

73

Date: Fri, 22 Mar 2002 13:35:18 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: k0awb@tcon1.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [122932] Re: Paid Editors -- All Said And Done..
Message-ID: <3C9B7966.3F7BE64F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Another message saying the volunteer editors are doing a great job!

PEOPLE, GET THIS THROUGH YOUR HEADS - I THINK ALL THE UNPAID EDITORS ARE DOING A REALLY GREAT JOB! BUT, I WANT TO ENSURE THEY WILL BE AROUND FOR A LONG TIME! EDITING A JOURNAL IS A STRESS FILLED JOB. IF WE ARE NOT WILLING TO UNDERSTAND THIS, MAYBE WE SHOULD TRY IT ONCE OURSELVES!

If you really want to contribute to a club magazine, don't make extra work for the unpaid editor. Don't ask him where it is! If you submit an article, be patient. He may just have such a big backlog that he hasn't gotten around to reading your article. Understand he has a real life too, let him live it!

73

Date: Fri, 22 Mar 2002 13:03:19 -0600
From: Dave Sjolín <sjolin@swbell.net>
To: Qrp-l Reflector <qrp-l@Lehigh.EDU>
Subject: [122933] FOX: FINAL CFNO LOG - N0IT
Message-ID: <3C9B7FF7.AB2F4F88@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Attached is my final log for CFNO. One typo now fixed.

Minus dupes, I count 33 QSO's: 29 hounds, 3 foxi, and myself. According to my precise calculations, my SER is 4.06. Thanks to all who took part. Fun event.

73 de Dave, N0IT

UTC	CALL	MY RST	STATE	NAME	POWER
0205	N9NE	559	WI	TODD	5W
0206	K0EVZ	579	ND	DOC	5W
0208	K8CV	559	MI	WALT	5W
0208	W4BQP	559	NC	JIM	5W
0209	W5YR	559	TX	GEORGE	5W
0210	K4GT	559	GA	JIM	5W
0211	KI0II	579	CO	RON	900MW
0212	W9HL	559	IL	RANDY	5W
0214	KK5LD	559	TX	DAN	5W
0215	AF4PS	559	FL	MAC	3W
0217	K5DW	559	TX	DON	5W
0218	N4MAP	559	GA	SAM	5W
0219	KC9LC	559	VA	RANDY	5W
0223	W0IS	599	MN	RICK	5W
0224	WV9N	559	OH	RANDY	1W
0226	AJ4AY	559	AL	JAY	4W
0228	WA9TZE	559	WI	JIM	2W
0233	KG4LDY	559	VA	JIM	1W
0236	KC9LC	559	VA	RANDY	5W
0238	KE4TG	559	TN	ROY	5W
0240	WA8BXN	599	OH	MIKE	5W
0243	KB1FKL	549	CT	MATT	5W
0245	WR50	559	TX	DAVE	5W

0250	AG0T	599	ND	TODD	4W
0253	K04WX	559	GA	MIKE	5W
0255	K9IUA	559	IA	KEVIN	5W
0257	W5TEH	559	RI	LEE	5W
0301	KB0LUR	559	CO	PAUL	1W
0310	AF4LQ	559	KY	MIKE	5W
0312	K0IIN	559	CO	JASON	5W
0333	NK9G	559	WI	RICK	5W
0341	WB8WTU	559	OH	DENNIS	2W
0358	KG6CYN	549	CA	TREVOR	1W
0400	N0IT	FOX	MO	DAVE	5W

Date: Fri, 22 Mar 2002 13:54:05 -0800
 From: "Dave Benson" <nn1g@earthlink.net>
 To: <qrp-l@lehigh.edu>
 Subject: [122934] KITS: Atlanticon
 Message-ID: <003001c1d1ec\$16b91580\$08eed73f@pavilion>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

gang-

Several weeks ago, I posted an image of the so-called 'Village Radio' on my website main page. For us vendors, it's the "mad-dash-to-Dayton season, so I've had no chance until now to comment on it.

The Village Radio has been under development for some time, and a quantity of them will soon be shipped to a small Asian country. It works in the 75M band (the frequency allocation is non-amateur there). The rig is fix-tuned to three customer-specified channels in the 3750-3800 KHz range. The 'clarifier' on the front panel is a RIT control via a shaft encoder. There's a DDS local oscillator 'under the hood', and needless to say, it'd be a small step to make the firmware 'tunable' as opposed to 'channelized'. Output power is 10W PEP using a 2SC2166 driver and a pair of 2SC1969s for the final. There's a small daughterboard containing the shaft encoder, switch and LEDs; this connects to the main board using semi-rigid flex.

I received the full-up boards (masked and silkscreened) yesterday and they're absolutely beautiful. I'll be assembling one of these transceiver early next week and will provide and update my website when I can.

'Here's the deal'. It's clear from the considerable and positive feedback I've received so far that I really should consider an amateur version of this rig. I'll be bringing the Village Radio to Atlanticon (and later, to Dayton) as a "show-and-tell" piece. I'll be soliciting your comments and inputs at those events- I'd love to hear what you'd like to see. ("All bands, all modes, and make it inexpensive!" doesn't count.)

I haven't been completely idle in other departments either. There is a new SWL kit this year- fairly simple- fairly inexpensive, and I'm working bunches of DX with the prototype. I should have a full-up unit to show at Atlanticon and 'beta' quantities should be available then.

See you at Atlanticon. Can't wait!

73- Dave

Dave Benson, K1SWL
dave@smallwonderlabs.com
http://smallwonderlabs.com

Date: Fri, 22 Mar 2002 14:12:13 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: "QRP" <qrp-1@Lehigh.EDU>
Subject: [122935] Mobile antenna bonanza - Identification & Advice.
Message-ID: <1020222141157.0AA04616@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

At a recent hamfest, I managed to buy a bundle of mobile antennas cheap. Here's what I found, and some questions I have:

Winn-Tenna. 80m, 40m, 15m. Who made these? They look extremely similar to the HamSticks of LakeView. Anyone know the relationship? (I know the Valor Pro-Am series is electrically similar, but has a different whip attachment)

--

Hustler. One RM-20 resonator.

I also have a resonator with no markings whose coil section is about 3" long. It appears to have about 5 turns of wire. It appears to be a Hustler, with about a 4 foot whip. I don't think it is a 10m resonator. Perhaps a 5/8 2m? Anyone have any ideas?

A third antenna is about 82 inches long with a large white coil. It has been identified as a Hustler 2m mobile collinear. Apparently a much sought-after antenna in its day.

--

Webster. This is a yellow loading coil about 1" in diameter with a thumbscrew jam nut on the whip. Appears to have a shorting bar attached to the whip. Coil is about 14" long, and the whip an additional 1-10".

Construction is similar to the famous Bandspanner (not to be confused with the CB radio of the same name). However, a typical Bandspanner is 4 to 5 feet long. This thing is only 24" max, including the extended whip.

Any identification on this beast?

--

Misc. I also have a 2 foot rod with 3/8" threads on each end. Each end has jam nuts, and one end has a 3/8" coupler with a hexagonal body. Seems short for a base pole for the Webster or the Hustler system. Any ideas on the purpose of such rods?

(Also in the bundle were a Cellwave 5/8 wave 2m antenna, a couple of what look like CB antennas, a 2m whip (20"), and another 4 foot whip. Quite a haul)

Any advice or identification on the above antennas would be appreciated.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Fri, 22 Mar 2002 14:12:18 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122936] Re: Antenna question... trap dipoles
Message-ID: <1020222141203.OAA04649@gate.iterated.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

On 3/17/02 11:09 AM, Mike Yettsko at myettsko@insydesw.com wrote:

>Time for a more serious QRP question...

>

>I have a 40M dipole up that works gangbusters on 40M. I feed it with
>300ohm twinlead from my K2 equiped with an ATU.

>

>Now, I'm really pleased with what it does.

Good.

>I was just wondering... While the K2 can bring it in to at worst case
>an SWR of 1.3:1 on ANY band from 80 through 10, there's gotta be
>wierd feed line radiation and looses.

Why would there be any feedline radiation? You're feeding a balanced antenna with a balanced transmission line from a balanced source (the output of the KAT2). There's no reason for the feedline to radiate.

Granted, you're going to incur greater losses on some bands other than 40m. (Although on 15m, it shouldn't be bad) 300 twin lead isn't the best open wire line, but it wouldn't be any worse than coax in this service.

I think you'll find that what you've got may work OK. (A lot depends on how high the dipole is)

>So, if I were to put up a TRAP dipole...

I'd think you'd find there would be little or no difference, at least for 10-40m. For 80m, you need to put up a longer antenna (minus the loading caused by the traps), and that might work a bit better.

>But will I see a REAL difference in performance? Inquiring minds want
>to know! Or at least have an idea of a reasonable expectation before
>I start scrounging for caps and winding toroids.

For a horizontal doublet antenna, the single most important dimension is height above ground in wavelengths. Raising your antenna higher (if it is less than 1/2 wavelength high) would probably have a greater effect than switching to traps.

As for a REAL difference? Doubtful. With precise equipment, you'd probably measure differences of a fraction of a dB in general. (Although the 40m doublet fed on 10m is going to exhibit some interesting nulls on some azmidths, a trapped dipole would have more of a broadside pattern,

if it is sufficiently high)

Plus, you have to subtract the loss of the traps.

If you want a more efficient antenna, I suggest you trade the twinlead for 450 ohm window line, or 600 ohm open wire line. The key thing here is to use something with larger conductors -- 16-12 gauge -- since most of the losses in these feedlines are resistive.

The other option is to add height. If your doublet is at 60 feet or more, you won't see much change in raising it (for 40-10m). If it is around 30 feet, try going higher. It will make a big difference on 40m, and also 20m.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Fri, 22 Mar 2002 14:12:23 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122937] Re: Antenna Wire
Message-ID: <1020222141207.0AA04652@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 3/16/02 11:32 AM, James R. Duffey at jamesd1@flash.net wrote:

>Believe it or not, Radio Shack sells good practical antenna wire. A 70 foot
>roll of 14 gauge (7 strands of 22 gauge) hard drawn copper wire costs \$7.00
>here.

Yeesh! Expensive. I'd go with 12 gauge stranded THHN wire from Home Depot. You can get a 500 foot roll for under \$20. The insulation has little effect electrically, and actually adds to the structural component somewhat. (Although the outer cover of THHN wire doesn't last but a couple of months in the hot GA sun. It will crack and flake off. The PVC jacket remains intact)

>However in an environemnt that is more corrosive, like near the ocean or in
>a large city, one quickly finds that stranded wire has its problems. The
>stranded wire quickly oxidizes or sulfidizes (is that a chemical term?).

I've been using insulated, stranded wire in the Atlanta area for 15

years. While not near the ocean, it is a city environment, and it is certainly humid enough. I've had little problem with corrosion.

At a hamfest, I found about 400 feet of 14 gauge stranded tinned insulated copper wire for about \$30. I used it to make all kinds of antennas. Little, if any corrosion. If you can find tinned wire, it may last a bit longer in a corrosive environment.

>Copperweld or Copper Clad steel is good antenna wire if it is the real
>stuff. The problem with Copperweld is that it is
>stiff and hard to handle, If you nick the copper through to the steel core,
>the steel core will rust.

Two things about Copperweld. (Although I've never used it) First, before you put it up, you have to pre-stretch it. This tends to take the twist put into the wire while it was on the roll.

The main advantage of Copperweld is it won't stretch much in service, unlike copper wires. Copper is more ductile, and you can get considerable stretch. Copperweld is also a lot stronger. Strength and stretch-resistance can be important in some environments -- particular if you are trying to put up a complex wire array in a climate conducive to ice accumulation.

>I have used soft drawn copper magnet wire for antennas, largely because I
>received 100s of feet of it as a gift. This makes an acceptable antenna, but
>the soft drawn wire will stretch over time.

When I was a kid, I made antennas with 24-18 gauge wire, because that's all I could afford. I ended up making a lot of splices. 14-10 gauge wire is pretty strong by itself, and I hadn't noticed any appreciable degree of stretching in any of my antennas.

>THHN House wire, stranded or solid, is widely available cheap at home supply
>stores. It works fine for antennas, although the insulation tends to crack
>and peel after a few years, at least in my climate.

THHN has two sets of insulation. The outer coat is a clear and smooth layer of some polymer that doesn't last at all in the sun. The UV destroys it in short order. However, much of the insulation is black PVC, which ought to last a decade or so in the hot sun.

>I have also used 22 gauge PBX wire (insulated) for antennas. I have
>thousands of feet of this that I rescued from a dumpster when the building I
>was working in was remodeled. It works fine, but the insulation changes
>color upon exposure to the sun.

I've used this stuff for rotator wire. It also works ok for remote

antenna switch or other control wires -- the price is certainly right.
You can get hundreds of feet of the stuff for nothing.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Fri, 22 Mar 2002 10:11:16 -0500 (EST)
From: <n2go@arrl.net>
To: <qrp-1@Lehigh.EDU>
Subject: [122938] FS Dentron HF200A
Message-ID: <Pine.LNX.4.33.0203221000300.1104-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello,
This is a rare one. HF transceiver. SSB/CW. SN000013. It doesn't work.
Needs repair. It comes with the manual and all schematics. The VFO does work I got
that far in the
trouble shooting :) The VFO/PTO is 5-5.5mhz. It The I.F. is 9.000 Mhz and
there is a SSB filter inside. If you were thinking about homebrewing a SSB
transceiver or receiver, there is a wealth of stuff ready to be used. ie
bandswitch and mixing crystals and filters etc. To my knowledge Denny Hadd
only made a couple of these. The final module is mounted on the back with
it's own box and heatsink. Maybe it could be used separately.
Price \$95 plus ups.

73,

Jim n2go

Date: Fri, 22 Mar 2002 15:00:21 -0500
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [122939] Re: International Crystal Manufacturing (ICM)
Message-ID: <5.0.2.1.0.20020322144537.024f2ab0@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>
>
>Amen! International Crystal has always been my choice
>for precision, delivery and performance regardless of
>price!
>
>Does anyone remember when(Gordon probably does!)ICM
>made various "modules" for ham use? Oscillators,
>buffers and even receiver-type modules to "build"
>stuff?
>
>Karl K - W8TIF
>McKinney, Texas

Yes I've got an OT-161 (60 to 100 mc). I've recently tried moving it down a bit to the 6 meter band but no success so far.. I must be using the wrong type of crystal or something.Does anybody have an OT-146 and mind describing L1 and L2?
73
Pete NV4V

Date: Fri, 22 Mar 2002 15:06:12 -0500
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>
To: <qrp-1@lehigh.edu>
Subject: [122940] OT, anyone on the list
Message-ID: <6579C6377F475547985F0B3E426E16261404A6@OCCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi

This is way off topic. I am looking to find=20 anyone who may have been in the Navy VP1 while I was, 1966 to 1969, or knows anyone not a ham that may have been there, please send me email at:

chartwell@att.net

Thanks=20

Marty Hartwell kd8bj
AT&T Columbus Ohio

PH:614-501-2503

Date: Fri, 22 Mar 2002 15:15:49 -0500
From: George Reeves <greeves@emory.edu>
To: QRP-L <QRP-L@Lehigh.edu>
Subject: [122941] THHN Wire?
Message-ID: <3C9B90F5.2CB1FB17@emory.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What is THHN House wire? What does the THHN stand for?

Date: Fri, 22 Mar 2002 10:29:43 -0500 (EST)
From: <n2go@arrl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [122942] Zif sockets
Message-ID: <Pine.LNX.4.33.0203221025190.1122-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have a test setup with ten (10) Aries Zif sockets on it. They 32 pin zero insertion force sockets. It comes with an edge card connector with wire wrap connectors on it. The sockets are like new. If you are a pic programmer this could save you a lot of work. \$30.

73,

Jim n2go

Date: Fri, 22 Mar 2002 15:16:36 -0500
From: Gary Lee <kb9zuv@arrl.net>
To: qrp-l@lehigh.edu
Subject: [122943] emtech zm-2 question
Message-ID: <3.0.6.32.20020322151636.007a4710@mailhost.ind.ameritech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ok, folks. Putting together that bedside station. Now I need a tuner.

Been trying to read about the zm-2. Sounds like a neat little unit.
However, I would like to have a good physical description, and a
description of how it is used.

In particular how does this led thing work? Brightness indicates tuning,
or just lights near 1 to 1?

thinking about fixing a photocell tied to an oscillator to it, or just
tapping the power to the led for an oscillator. Currently I just tune with
an mfj by received signal level.

Thanks again.

Gary Lee
Ball State University
765-285-1310

Date: Fri, 22 Mar 2002 15:33:33 -0500
From: George Reeves <greeves@emory.edu>
To: QRP-L <QRP-L@Lehigh.edu>
Subject: [122944] THHN House wire!
Message-ID: <3C9B951C.52EBDCC7@emory.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I answered my own question by finding the following document:

<http://www.solenergy.org/pdf/PV301/WireRatings.pdf>

George WA4TNU

Date: Fri, 22 Mar 2002 12:30:22 -0800
From: "Jensen, Gary" <GJensen@shaklee.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [122945] OT: Airport Security and HTs Etc.
Message-ID: <1345AE90573BD511A25700B0D0B0789D0466FD36@has50.shaklee.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I was wondering if anyone has experienced problems getting their HT's or

other radio equipment through airport security recently.

Gary W6STN

Date: Fri, 22 Mar 2002 10:54:04 -0500 (EST)
From: <n2go@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [122946] Re: FS Dentron HF200A
Message-ID: <Pine.LNX.4.33.0203221053440.1149-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

SOLD. Thanks for the interest.

73,

Jim n2go

Date: Fri, 22 Mar 2002 14:48:29 -0600
From: "Ham" <KD5NWA@mbayona.com>
To: <tentec@contesting.com>, <qrp-1@Lehigh.EDU>
Subject: [122947] TEN-TEC MODEL 247 ANTENNA TUNER
Message-ID: <001b01c1d1e2\$f2b72ef0\$373d010a@a000>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello, is the "TEN-TEC MODEL 247 ANTENNA TUNER" a Z-Match tuner or is it a standard "T" network type tuner?

Thanks

Cecil
KD5NWA

Date: Fri, 22 Mar 2002 13:14:16 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>

To: <k1vp@grizzly.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122948] Re: Problems after Sierra mods
Message-ID: <00b401c1d1e6\$867b5f00\$6299b2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would hope those comments are intended to be ironic or sarcastic, as Steve produces some very good kits, for not a lot of \$\$, and (along with others on this list) has always given me sound advice on projects!

I agree with Steve and Ed on the O-Scope issue. If you really want to see what's going on with a circuit, it's a must. I'm finding the limits of my B&K 60 MHz scope, and have been borrowing time on a 200 MHz Tektronix. Also been realizing that I need to find a good spectrum analyzer as I've been borrowing time on an HP as well! Nice to have friends with better test equipment (and in the case of the SA, the knowledge to use it!) than myself that I can have access to.

72/73's

Trev
KG6CYN

----- Original Message -----

From: Ed Lawson <k1vp@grizzly.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Friday, March 22, 2002 7:44 AM
Subject: Re: Problems after Sierra mods

> On Fri, 22 Mar 2002 07:28:36 -0600
> Nick Kennedy <nkennedy@tcainternet.com> wrote:
>
> > Sounds like Roy has taken on yet ANOTHER kit he's unable to build.
> And misplaced his medication to boot.
>
> Oh. His comments were so far off the mark I thought they were
> intended to be ironic or sarcasitc.
> You thought he was being serious?
>
> As to the topic, seems like a prescription for disaster to muck up the
> basic design of the Sierra by basically trying to redesign the PA
> section without adequate lab tools to know what is going on and the
> design skills to do the redesign.
>
>
> Ed Lawson

> K1VP
>

Date: Fri, 22 Mar 2002 13:22:02 -0800 (PST)
From: Dennis Doran <wb8wtu@yahoo.com>
To: qrp-1@Lehigh.EDU, Dennis Doran <wb8wtu@yahoo.com>
Subject: [122949] FS - QRP Spring Cleaning
Message-ID: <20020322212202.54380.qmail@web12505.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

For Sale - QRP radios. Pics available for all listed.

DSW-30 Small Wonder Labs 30 meter digital VFO QRP
radio in the blue anodized case. Excellent condition -
no mods. Complete manual included. Power output 2
watts.
\$120.00 + 3.00 shipping CONUS.

Ten Tec 1340 Ten Tec 40 meter QRP rig. Excellent
condition. One mod - a toggle switch installed on
front panel to switch between two toroids for lower
and upper CW band coverage. Tunes as follow:

low position - 7.023 to 7.089
high position - 7.081 to 7.148

Partial manual included. Power output 4 watts.
\$75.00 + 3.00 shipping CONUS.

>>>> Will sell this rig with matching Ten Tec 670
single-paddle keyer (no manual). Nice combo.
\$125.00 + 3.00 shipping CONUS. <<<<

SW40+ Small Wonder Labs 40 meter QRP rig. Unit is
packaged in a Hammond plastic case. I installed a
2N7000 FET version RIT. RIT swing is +800 Hz / -1.2
KHz. Tunes 7.021 to 7.054. Power output 2 watts.
Complete manual.
\$55.00 + 3.00 shipping CONUS.

OFF LIST REPLIES ONLY. Please contact me at

WB8WTU@Yahoo.com for further info or pics.

Thanks for the bandwidth.

dennis
WB8WTU

Do You Yahoo!?
Yahoo! Movies - coverage of the 74th Academy Awards
<http://movies.yahoo.com/>

Date: Fri, 22 Mar 2002 16:21:54 EST
From: K5BDZ@aol.com
To: n2go@arrl.net, qrp-1@lehigh.edu
Cc: mizuho@mailman.qth.net, GQRP@yahoogroups.com
Subject: [122950] Re: FS Dentron HF200A
Message-ID: <a7.1da1c9c2.29ccfa72@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

For those who may not know, this Dentron unit was designed to use the Mizuho SG-9 board (9 Mhz "tranceiver" board) with a 2.4 KHz xtal filter. Other good features too. But some of this 100 watt class stuff Dentron put out as they "died" had 16 volt electrolytics in 18 volt amp circuits, and other unexplainable things that would blow and shut down an otherwise working circuit.

BTW, the SG9 Boards were also the backbones of their QRP MLX-Mini xcvs as well as their CD/CAP (Civil Defense/Civil Air Patrol) units.

And if that info ain't the most useless to date for most readers on this reflector, I don't know what is!
Bill K5BDZ

PS: I still have about a dozen "new in the box" SG-9 boards, assembled and tested at the Mizuho factory.

Date: Fri, 22 Mar 2002 13:59:39 -0800 (PST)
From: Dennis Doran <wb8wtu@yahoo.com>
To: Dennis Doran <wb8wtu@yahoo.com>, qrp-1@Lehigh.EDU
Subject: [122951] Re: FS - QRP Spring Cleaning

Message-ID: <20020322215939.27928.qmail@web12506.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The DSW-30 and the SW40+ have been sold.
Thanks for everyones interest.

dennis
WB8WTU

Do You Yahoo!?
Yahoo! Movies - coverage of the 74th Academy Awards
<http://movies.yahoo.com/>

Date: Fri, 22 Mar 2002 17:28:57 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [122952] Re: OT: Airport Security and HTs Etc.
Message-ID: <000301c1d1f0\$f77d8840\$6401a8c0@JOHN>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

No problems at all with 3 flights since 9/11.

John Harper AE5X
Outdoor QRP & 80m DXing: <http://www.ae5x.com>

Date: Fri, 22 Mar 2002 17:33:37 -0500
From: "Larry Spinner" <n2icz@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122953] Re: Paid Editors -- Long
Message-ID: <0E38c8gao9WQzUtizEY0000d092@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> If you really want to contribute to a club magazine, don't make extra
> work for the unpaid editor. Don't ask him where it is! If you submit
> an article, be patient. He may just have such a big backlog that he
> hasn't gotten around to reading your article. Understand he has a real
> life too, let him live it!

I always seem to get myself in trouble when I speak (at least that's what the XYL says) so I'll be careful :)

My 2 cents...

I think a lot of us missed Bruce's original point(s)...

1. Regardless of whether the "editor" is a volunteer, paid for his trouble, on stipend, given a limo for his trouble, whatever...we're talking about a CLUB magazine... While these publications often rival the pro magazines in content and graphics, (I can think of one in particular), they are not QST or CQ. They usually don't have a litany of advertisers and paid subscribers they are beholden to... Of course, that doesn't mean the publication shouldn't be sent out in a timely manner.

2. That leads me to point two... As a group, in general, we really need to exhibit PATIENCE AND UNDERSTANDING. For God's sake, this is a hobby... Relax a little bit... If the publication is 3 weeks late... So what? It's not going to alter ham radio as we know it... On the other hand, I do expect QST, CQ, 73, and World Radio to be in my mailbox ON TIME. After all, you got a paid staff and quite frankly the paid editor has to then balance his work life with his personal life and get the magazine out on time. Even if we throw a couple of bones to a "paid volunteer" editor, I still wouldn't hold them up to the same scrutiny. Just chill, out...

Finally (and I promise I'll stop here)...QRP ARCI and other "club" publications would do well to consider making their publication available ONLINE before they send it to print and ship it out... This might satisfy a lot of people up front and it's convenient to all parties... It'll probably take a LOT of stress off the editors at least from the obsessive compulsive hams out there! Flying Pigs does a great job of this. Their newsletter is available online in PDF format for immediate download. Usually, it's on time...It's great! I subscribe to the Ontario DX Association's publication, Listening In (the Shortwave listening side of my insanity with radio) ONLY in electronic format. It's available usually on time, comes in three downloadable parts and hey...I get it before anyone else that subscribes by mail!!

Anyway...just my 2 cents... Where's there a will, there's a way....

73,

Larry
N2ICZ

Date: Fri, 22 Mar 2002 17:40:14 -0500
From: KKANALZ@prodigy.net
To: <GJensen@shaklee.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [122954] Re: OT: Airport Security and HTs Etc.
Message-ID: <AA-9FB6F67BA70DBADC365429D67ECFE427-ZZ@homebase1.prodigy.net>

Nope! I've taken two H-T's through the security maze without any problem. On one occasion, I had to turn them on and "ker-chunk" the local repeater to demonstrate what they are, but that was it, Gary.

Karl K - W8TIF
McKinney, Texas
(just a few miles north of W5YR, not WQ5YR)
--- Original Message ---
From: "Jensen, Gary" <GJensen@shaklee.com>
To: <qrp-l@Lehigh.EDU>
Subject: OT: Airport Security and HTs Etc.

>I was wondering if anyone has experienced problems getting their HT's or other radio equipment through airport security recently.

>

>Gary W6STN

Date: Fri, 22 Mar 2002 17:44:58 -0500
From: Hank Kohl K8DD <k8dd@arrl.net>
To: KKANALZ@prodigy.net,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [122955] Re: OT: Airport Security and HTs Etc.
Message-ID: <5.1.0.14.2.20020322174356.027b2680@mail.arenet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Aw, gee I dialed up their frequency and oh well!

At 3/22/02 05:40 PM -0500, KKANALZ@prodigy.net wrote:
>Nope! I've taken two H-T's through the security maze
>without any problem. On one occasion, I had to turn
>them on and "ker-chunk" the local repeater to demon-
>strate what they are, but that was it, Gary.
>
>Karl K - W8TIF
>McKinney, Texas

Date: Fri, 22 Mar 2002 16:00:58 -0700
From: "Walter AG5P" <walter@cowboy.com>
To: <qrp-l@Lehigh.EDU>
Subject: [122956] FS FT-243 xtals
Message-ID: <200203221600.AA434110744@mail.cowboy.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi, finally found some of the FT-243 crystals
that were hiding in the shack.

These are military style used for a BC-610
and are marked FREQ. 5302.5 KC, and that
should be close enough for you crystal
grinders to bring up to 40 meters or so
without too much work.

There are only 18 of them, so if you want
one, please send me an email before sending
money. \$2.00 each postpaid to your shack
(conus only, please).

Thanks, 72/73
Walter, AG5P.....Wright City, Missouri

Date: Fri, 22 Mar 2002 13:15:37 -0500 (EST)
From: <n2go@arrl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [122957] FS HP sig gen Tek scope
Message-ID: <Pine.LNX.4.33.0203221309240.1329-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have the following that fell through. Something about a wife and everyother month instead of once a month if they buy more stuff... :))) Anyway..

I have a HP-8640B OPT323 signal generator and a Tek 465 scope (no probes) For sale. Both as a package \$450 plus ups shipped in two heavy packages. I just double checked the attenuator output and it seems accurate according to my bench scope.

73,

Jim n2go

Date: Fri, 22 Mar 2002 18:29:21 -0500
From: "Michael B. Byrd" <sunbyrd@gte.net>
To: qrp-L List <qrp-l@Lehigh.EDU>
Subject: [122958] West Florida QRP club.
Message-ID: <3C9BBE4E.8CB20982@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Just looking for information on the West Florida QRP Club. I went by the Tampa club house on the scheduled saturday and never saw anyone. Does anyone know if the club still exists? Did everyone go QRO? Are aliens to blame?

Michael, AC4UR
(ex-WD4MFB- this is the one and only time I will use this)

Date: Fri, 22 Mar 2002 13:49:14 -0500 (EST)
From: <n2go@arrl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [122959] Re: Zif sockets
Message-ID: <Pine.LNX.4.33.0203221348570.1362-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The Zif's have left the building :)

73,

Jim n2go

Date: Fri, 22 Mar 2002 15:51:52 -0800 (PST)
From: Tom Popovic <ki3r@yahoo.com>
To: aa4lr@arrl.net,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [122960] Re: Antenna Wire
Message-ID: <20020322235152.67462.qmail@web11204.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

.
>
> >Copperweld or Copper Clad steel is good antenna
> wire if it is the real
> >stuff. The problem with Copperweld is that it is
> >stiff and hard to handle, If you nick the copper
> through to the steel core,
> >the steel core will rust.
>
> Two things about Copperweld. (Although I've never
> used it) First, before
> you put it up, you have to pre-stretch it. This
> tends to take the twist
> put into the wire while it was on the roll.
>
> The main advantage of Copperweld is it won't stretch
> much in service,
> unlike copper wires. Copper is more ductile, and you
> can get considerable
> stretch. Copperweld is also a gob stronger. Strength
> and
> stretch-resistance can be important in some
> environments -- particular if
> you are trying to put up a complex wire array in a
> climate conducive to
> ice accumulation.
>
> >I have used soft drawn copper magnet wire for
> antennas, largely because I
> >received 100s of feet of it as a gift. This makes
> an acceptable antenna, but
> >the soft drawn wire will stretch over time.

>

I have had a Copperweld inverted vee on 40 that has been up for 25 years. The 80 inverted vee has been up 20 years this spring. They have never come down. Copperweld used to be made in Glassport Pa. I understand the process is different from the old style of pouring copper into a steel tube and rolling then drawing the wire. It is now I believe made by an inductive heating process where powder is pressed on to a steel wire ...I think ..I know that my brother worked at Allumoweld where powdered Al was formed on a steel core for AC transmission lines. My uncle was a pourer in the casting dept. at Copperweld Glassport. My supply of old Copperweld is gone. 73 God Bless Tom KI3R

>

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The common good was the claim and justification of every tyranny ever established over men. Every major horror of history was committed in the name of altruistic motive... Actors change, but the course of the tragedy remains the same. Ayn Rand 1943

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<http://movies.yahoo.com/>

End of QRP-L Digest 2502

